

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF FINAL PERMIT

In the Matter of an  
Application for Permit


Mr. Brian P. Smith  
Crusher Contractors Co.  
135 Timber Lane  
Jupiter, Florida 33458

Permit No. 7775057-002-AO  
Portable Asphalt Crushing Plant

Enclosed is the FINAL Permit Number 7775057-002-AO. This permit authorizes Crusher Contractors Co., Inc. to operate a diesel engine powered portable asphalt material crushing plant for statewide operation. This facility may operate in any county covered by a notice of intent to issue air permit published within five years of the proposed relocation and at any asphalt plant industrial sites listed on the Notification of Intent to Relocate Air Pollutant Emitting Facility, provided a permit for this facility has been issued or amended to authorize operation in the county. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

  
for C.H. Fancy, P.E., Chief  
Bureau of Air Regulation

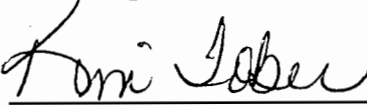
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 9-16-98 to the person(s) listed:

Mr. Brian P. Smith, Crusher Contractors Co. \*  
Mr. Eugene D. Schaltenbrand, P.E., Brooks & Associates

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

  
(Clerk) 9-16-98  
(Date)



# Department of Environmental Protection

Lawton Chiles  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Virginia B. Wetherell  
Secretary

## PERMITTEE

Crusher Contractors Co.  
Portable Asphalt Crushing Plant  
135 Timber Lane  
Jupiter, Florida 33458

<b>FID No.</b>	7775057
<b>Permit No.</b>	7775057-002-AO
<b>SIC No.</b>	1422
<b>Expires:</b>	September 9, 2003

## Authorized Representative:

Mr. Brian P. Smith

## PROJECT AND LOCATION

This permit authorizes Crusher Contractors Co. to operate statewide a diesel engine powered portable asphalt material crushing plant. This facility may operate in any county covered by a notice of intent to issue air permit published within five years of the proposed relocation and at any asphalt plant industrial sites listed on the Notification of Intent to Relocate Air Pollutant Emitting Facility, provided a permit for this facility has been issued or amended to authorize operation in the county. The public notice requirements were met in Charlotte, DeSoto, and Sarasota Counties on March 9, 1998 and were met in Broward and Dade Counties on May 27, 1998.

The crusher may operate in other counties within the state provided that the public notice requirements have been met in the counties and the unit's permit has been amended to authorize operation in the other counties.

## STATEMENT OF BASIS

This operation permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and the Florida Administrative Code (F.A.C.) Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297. The above named permittee is authorized to operate the units in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

## APPENDIX

The attached appendix is a part of this permit:

Appendix GC General Permit Conditions

Howard L. Rhodes, Director  
Division of Air Resources  
Management



**SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS**

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The following specific conditions apply to all emissions units at this facility.

**ADMINISTRATIVE**

1. Regulating Agencies: All documents related to applications for permits to operate, reports, tests, minor modifications and notifications shall be submitted to the Department's district office or appropriate local program that has jurisdiction over the facility operating these units.
2. General Conditions: The owner and operator is subject to and shall operate under the attached General Permit Conditions G.1 through G.15 listed in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]
3. Terminology: The terms used in this permit have specific meanings as defined in the corresponding chapters of the Florida Administrative Code.
4. Forms and Application Procedures: The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. [Rule 62-210.900, F.A.C.]
5. Expiration: This air operation permit shall expire on August 11, 2003. [Rule 62-4.070(4), F.A.C.]
6. Relocation Notification: At least 7 days prior to relocating the plant to an approved county where public notice was published within the last 5 years, the permittee shall notify the air program administrator for the Department's district office and, if applicable, appropriate local program. The notification shall be on DEP Form 62-210.900(3), F.A.C. All potential operation sites shall be shown on a USGS topographic map. A county license, a discretionary public notice, or additional restrictions for the operation at a specific site may be imposed by the environmental agency. If the public notice for a county is more than 5 years old, or if the county was never covered by a public notice, this form shall be submitted at least 30 days in advance of the move and a new public notice is required prior to operating in the county. If the facility was never authorized to operate in the county, the permittee shall obtain an amendment to this permit prior to relocating to the county.
7. Renewal Required: An application to renew the operating permit must be submitted to the Department's Bureau of Air Regulation in Tallahassee at least 60 days prior to the expiration date of this permit. To renew an operation permit, the applicant shall submit the appropriate application form, fee, a report on any physical change or major maintenance to the facility, and compliance test reports as required by this permit. [Rule 62-4.090, F.A.C.]
8. Applicable Regulations: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4, 62-110, 62-204, 62-212, 62-213, 62-296, 62-297 and the Code of Federal Regulations Title 40, Part 60, adopted by reference in the Florida Administrative Code (F.A.C.) regulations. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800 and 62-210.300, F.A.C.]

**SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS**

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**EMISSION LIMITING STANDARDS**

9. General Visible Emissions Standard: Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer, or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20% opacity). The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C. [Rule 62-296.320(4)(b)1, F.A.C.]
10. Unconfined Emissions of Particulate Matter: [Rule 62-296.320(4)(c), F.A.C.]
- (a) No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
- (b) Any permit issued to a facility with emissions of unconfined particulate matter shall specify the reasonable precautions to be taken by that facility to control the emissions of unconfined particulate matter.
- (c) Reasonable precautions include the following:
- Paving and maintenance of roads, parking areas and yards.
  - Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
  - Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
  - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
  - Landscaping or planting of vegetation.
  - Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
  - Confining abrasive blasting where possible.
  - Enclosure or covering of conveyor systems.
- (d) In determining what constitutes reasonable precautions for a particular source, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.
11. General Pollutant Emission Limiting Standards: [Rule 62-296.320(1)(a)&(2), F.A.C.]
- (a) No person shall not store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.
- (b) No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

**SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS**

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[Note: An objectionable odor is defined in Rule 62-210.200(198), F.A.C., as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.]

**OPERATIONAL REQUIREMENTS**

12. Modifications: No emissions unit or facility subject to this rule shall be constructed or modified without obtaining an air construction permit from the Department. Such permit must be obtained prior to the beginning of construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
13. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department's district office and, if applicable, appropriate local program. The notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules. [Rule 62-4.130, F.A.C.]
14. Circumvention: No person shall circumvent any air pollution control device or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]
15. Excess Emissions: The following excess emissions provisions can not be used to vary any NSPS requirements (from any subpart of 40 CFR 60).
  - (a) Excess emissions resulting from start-up, shutdown or malfunction of any emissions units shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized, but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]
  - (b) Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during start-up, shutdown, or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

**COMPLIANCE MONITORING AND TESTING REQUIREMENTS**

16. Required Number of Test Runs: For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the test,

**SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS**

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the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard. [Rule 62-297.310(1), F.A.C.]

17. Operating Rate During Testing: Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]
18. Calculation of Emission Rate: The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
19. Test Procedures shall meet all applicable requirements of Rule 62-297.310(4), F.A.C. [Rule 62-297.310(4), F.A.C.]
20. Determination of Process Variables: [Rule 62-297.310(5), F.A.C.]
  - (a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
  - (b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.
21. Required Stack Sampling Facilities: Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E. Sampling facilities shall also conform to the requirements of Rule 62-297.310(6), F.A.C. [Rule 62-297.310(6), F.A.C.]
22. Test Notification: The owner or operator shall notify the Department's district office and, if applicable, appropriate local program, at least 15 days prior to the date on which each formal compliance test is to begin. Notification shall include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. [Rule 62-297.310(7)(a)9., F.A.C.]

[Note: The federal requirements of 40 CFR 60.8 require 30 days notice of the initial test and any tests required under section 114 of the Clean Air Act, but the Department rules require 15 days notice for the annual compliance tests. Unless otherwise advised by the district office or, if applicable, appropriate local program, provide 15 days notice prior to conducting annual tests.]

**SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS**

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23. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the facility to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions units and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]

**REPORTING AND RECORD KEEPING REQUIREMENTS**

24. Duration of Record Keeping: Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule. [Rule 62-4.160(14)(a)&(b), F.A.C.]
25. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C. [Rule 62-297.310(8), F.A.C.]
26. Excess Emissions Report: If excess emissions occur, the owner or operator shall notify the Department within one-working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Pursuant to the New Source Performance Standards, excess emissions shall also be reported in accordance with 40 CFR 60.7, Subpart A. [Rule 62-4.130, F.A.C.]
27. Excess Emissions Report - Malfunctions: In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate local program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report if requested by the Department. [Rule 62-210.700(6), F.A.C.]
28. Annual Operating Report for Air Pollutant Emitting Facility: The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year and shall be submitted to the Department's district office and, if applicable, the appropriate local program by March 1 of the following year. [Rule 62-210.370(3), F.A.C.]



**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

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The following specific conditions apply to the following emissions units::

EMISSIONS UNIT NO.	EMISSIONS UNITS DESCRIPTION
001	Kemco Dynabreaker Portable Crusher (fugitive particulate)
002	Caterpillar 3408 Diesel Engine (products of combustion)
003	4 Cylinder. Cummins Diesel Engine (products of combustion)

NOTE: Emissions unit 001 is subject to 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR 60.670 - 60.676) and 40 CFR 60 Subpart A, revised as of July 1, 1997. Emissions units 002 and 003 are subject to the requirements of the state rules as indicated in this permit.

**OPERATIONAL REQUIREMENTS**

1. Hours of Operation: These emissions units are allowed to operate up to 4,800 hours during any calendar year. [Rule 62-210.200, F.A.C., Definitions-potential to emit (PTE)]
2. Process Rate: The crusher may process up to 200 TPH (monthly average) and 960,000 TPY asphalt material (total). [7775057-001-AC]
3. Fuel: The diesel engines may burn up to 7 GPH (total for both engines) and 33,600 GPY diesel fuel containing a maximum of 0.50 percent sulfur by weight. [7775057-001-AC]
4. Operation and Maintenance (O&M): The permittee shall keep an O&M plan for the air pollution control equipment with the facility. The O&M log shall include the list the parameters being monitored, the frequency of the check/maintenance, observations, and comments. [7775057-001-AC]

**EMISSION LIMITATIONS AND PERFORMANCE STANDARDS**

5. Visible Emissions - Particulate Matter (PM) RACT Areas: Emissions unit 001 is subject to the visible emission limits of 40 CFR 60 Subpart OOO and to the PM RACT regulations in areas designated nonattainment or maintenance for particulate matter as well as parts of the "areas of influence" related to those areas that are not exempted by rule. When subject to both limits, the more stringent limit takes precedence. The process emission sources and their visible emission limits are listed below in Table 1.

The following areas are designated nonattainment or maintenance for particulate matter or are parts of the areas of influence related to those areas that are not exempted by rule:

That portion of Hillsborough County which falls within the area of the circle having a centerpoint at the intersection of U. S. 41 South and State Road 60 and a radius of 12 kilometers.

The downtown Jacksonville area in Duval County located within the following boundary lines: south and then west along the St. Johns River from its confluence with Long Branch Creek, to Main Street; north along Main Street to Eighth Street; east along Eighth Street to Evergreen Avenue; north along Evergreen Avenue to Long Branch Creek; and east along Long Branch Creek to the St. Johns River.

## SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

Any emissions unit of unconfined particulate matter which is located [at or within] five kilometers outside the boundary of a particulate matter air quality maintenance area.

*Table 1: Process Emission Source Visible Emission Limits in PM RACT Areas*

Emission Source	VE Limit (% Opacity)	Subject to:		EU No.
		OOO	PM RACT	
Receiving Hopper/Grizzly Feeder	5	Yes	Yes	001
Crusher	5	Yes	Yes	001
Portable Belt Conveyor(s)*	10**	Yes	No	001
Screen(s)	5	Yes	Yes	001
Truck Loading/Unloading	5	No	Yes	001

\* These system are exempt from PM RACT pursuant to Rule 62-296.700(2)(f), F.A.C.

\*\* This limit applies to transfer points onto conveyor belts only.

[40 CFR 60.672 and Rule 62-296.711, F.A.C., and Rules 62-204.340(4)(b)1. & 2., F.A.C., (PM maintenance areas) and 62-296.700(2)(d), F.A.C., (non-exempt areas of influence)]

6. Visible Emissions - Particulate Matter Attainment Areas: No owner or operator shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in the following paragraphs:

(a) No owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity.

(b) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.

[40 CFR 60.672 (b), (c) & (d)]

7. No Visible Emissions - Saturated Materials: No owner or operator shall cause to be discharged into the atmosphere any visible emissions from:

(a) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.

(b) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

[40 CFR 60.672 (h)(1)&(2)]

8. Visible Emissions - Emissions Units 002 & 003: Emissions units 002 and 003 are subject to the VE requirements of specific condition 9 in Section II of this permit. [Rule 62-296.320, F.A.C.]

#### COMPLIANCE MONITORING AND TESTING REQUIREMENTS

9. Sulfur: ASTM D129-91, Standard Test Method for Sulfur in Petroleum Products, shall be used to determine compliance with the sulfur limit for the fuel. Certification of the sulfur content in the

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

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diesel fuel from the supplier is also acceptable. Records of the sulfur content of each delivery shall be maintained. [Rule 62-296.800, F.A.C. and 40 CFR 60.675(b)(1)&(2)]

10. Visible Emissions Test Duration - Truck Loading/Unloading: For the truck loading/unloading operation, compliance with the visible emissions limitation shall be determined using EPA Method 9 as contained in Rule 62-297, F.A.C. The visible emissions test shall be conducted by a certified observer and be a minimum of: 12 minutes in duration (or 3 batches) during truck loading. The visible emissions test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. The minimum requirements for stationary point source emission test procedures shall be in accordance with Rule 62-297, F.A.C., and 40 CFR 60, Appendix A. [7775057-001-AC]
11. Visible Emissions Test Duration - Other Sources: For the purposes of determining compliance with the VE standards of specific condition numbers 5, 6 and 7 of Section III of this permit, the minimum duration of VE testing shall be a minimum of 30 minutes in duration, except as provided in specific condition 10 of Section III of this permit, above. If required by the district or appropriate local program, testing of the diesel engines shall be for a minimum of 30 minutes in duration. [62-297.319(4)(a)2., F.A.C. & 7775057-001-AC]
12. Visible Emissions Test Method: In determining compliance with the particulate matter standards in 40 CFR 60.672 (b) and (c), the owner or operator shall use Method 9 and the procedures in 40 CFR 60.11, with the following additions:
  - (a) The minimum distance between the observer and the emissions source shall be 4.57 meters (15 feet).
  - (b) The observer shall, when possible, select a position that minimizes interference from other fugitive emissions units (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
  - (c) For affected emissions units using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.  
[40 CFR 60.675(c)(1)(i), (ii) & (iii)]
13. Visible Emissions Test - Emissions Interference: For the method and procedure of 40 CFR 60.675(c) [specific condition 12 of Section III of this permit, above], if emissions from two or more emissions units continuously interfere so that the opacity of fugitive emissions from an individual affected emissions unit cannot be read, either of the following procedures may be used:
  - (a) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected emissions units contributing to the emissions stream
  - (b) Separate the emissions so that the opacity of emissions from each affected emissions unit can be read.  
[40 CFR 60.675(e)(1)(i)&(ii)]

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

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14. No Tests Required - Saturated Materials: Method 9 performance tests under Sec. 60.11 of this part and Sec. 60.675 of this subpart are not required for:
- (a) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.
  - (b) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.
- [40 CFR 60.675(h)(1)&(2)]

**REPORTING AND RECORD KEEPING REQUIREMENTS**

15. Log: The permittee shall maintain a log showing the annual hours per year operation and fuel consumption. Operators shall keep a log to include, at a minimum, the following information:
- (a) The daily location and production rate.
  - (b) The daily hours of operation of the crusher system.
  - (c) Daily diesel fuel usage.

These data shall be made available to the Department or county upon request.

[Rule 62-4.070(3), F.A.C.]

16. Test Reports: The owner or operator shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b) and 40 CFR 60.672(c). [40 CFR 60.676(f)]
17. Change From Saturated to Unsaturated Material: The owner or operator of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to Sec. 60.672(h) and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in Sec. 60.672(b) and the emission test requirements of Sec. 60.11 and this subpart. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit in Sec. 60.672(h). [40 CFR 60.676(g)]
18. Records Retention: This facility shall maintain a central file containing all measurements, records, and other data that are required to be collected pursuant to the various specific conditions of this permit. [7775057-001-AC] [See also, specific condition 24, Section II of this permit.]

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

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**NSPS GENERAL PROVISIONS**

[Note: The numbering of the original rules in the following conditions has been preserved for ease of reference.]

19. Pursuant to 40 CFR 60.7 Notification And Record Keeping:

- (a) Any owner or operator subject to the provisions of 40 CFR 60 shall furnish the Administrator written notification as follows:
- (4) A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.
- (b) The owner or operator subject to the provisions of 40 CFR 60 shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
- (f) The owner or operator subject to the provisions of 40 CFR 60 shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least three years following the date of such measurements, maintenance, reports, and records.  
[40 CFR 60.7]

20. Pursuant to 40 CFR 60.8 Performance Tests:

- (a) Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s).
- (b) Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

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paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act.

- (c) Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.
- (d) The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present.
- (e) The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment.
- (f) Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs.  
[40 CFR 60.8] [See the note for specific condition 22 of Section II of this permit regarding the proper advance notification of compliance tests.]

21. Pursuant to 40 CFR 60.11 Compliance With Standards And Maintenance Requirements:

- (a) Compliance with standards in 40 CFR 60, other than opacity standards, shall be determined only by performance tests established by 40 CFR 60.8, unless otherwise specified in the applicable standard.
- (b) Compliance with opacity standards in 40 CFR 60.11 shall be determined by conducting observations in accordance with Reference Method 9 in appendix A of 40 CFR 60.11, any alternative method that is approved by the Administrator, or as provided in 40 CFR 60.11(e)(5). [Under certain conditions (40 CFR 60.675(c)(3)&(4)), Method 9 observation time may be reduced from 3 hours to 1 hour. Some affected facilities are exempted from Method 9 tests (40 CFR 60.675 (h)). See specific conditions 13 and 14, Section III, above for test duration requirements.]

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

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- (c) The opacity standards set forth in 40 CFR 60.11 shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard.
- (d) At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
- (g) For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard in this part, nothing in this part shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[40 CFR 60.11]

22. Pursuant to 40 CFR 60.12 Circumvention:

No owner or operator subject to the provisions of 40 CFR 60.12 shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[40 CFR 60.12]

23. Pursuant to 40 CFR 60.19 General notification and reporting requirements:

- (a) For the purposes of this part, time periods specified in days shall be measured in calendar days, even if the word "calendar" is absent, unless otherwise specified in an applicable requirement.
- (b) For the purposes of this part, if an explicit postmark deadline is not specified in an applicable requirement for the submittal of a notification, application, report, or other written communication to the Administrator, the owner or operator shall postmark the submittal on or before the number of days specified in the applicable requirement. For example, if a notification must be submitted 15 days before a particular event is scheduled to take place, the notification shall be postmarked on or before 15 days preceding the event; likewise, if a notification must be submitted 15 days after a particular event takes place, the notification shall be delivered or postmarked on or before 15 days following the end of the event. The use of reliable non-Government mail carriers that provide indications of verifiable delivery of information required to be submitted to the Administrator, similar to the postmark provided by the U.S. Postal Service, or alternative means of delivery agreed to by the permitting authority, is acceptable.
- (c) Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between

**SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS**

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the owner or operator and the Administrator. Procedures governing the implementation of this provision are specified in paragraph (f) of this section.

- (d) If an owner or operator of an affected facility in a State with delegated authority is required to submit periodic reports under this part to the State, and if the State has an established timeline for the submission of periodic reports that is consistent with the reporting frequency(ies) specified for such facility under this part, the owner or operator may change the dates by which periodic reports under this part shall be submitted (without changing the frequency of reporting) to be consistent with the State's schedule by mutual agreement between the owner or operator and the State. The allowance in the previous sentence applies in each State beginning 1 year after the affected facility is required to be in compliance with the applicable subpart in this part. Procedures governing the implementation of this provision are specified in paragraph (f) of this section.
- (f)(1)(i) Until an adjustment of a time period or postmark deadline has been approved by the Administrator under paragraphs (f)(2) and (f)(3) of this section, the owner or operator of an affected facility remains strictly subject to the requirements of this part.
- (ii) An owner or operator shall request the adjustment provided for in paragraphs (f)(2) and (f)(3) of this section each time he or she wishes to change an applicable time period or postmark deadline specified in this part.
- (2) Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between the owner or operator and the Administrator. An owner or operator who wishes to request a change in a time period or postmark deadline for a particular requirement shall request the adjustment in writing as soon as practicable before the subject activity is required to take place. The owner or operator shall include in the request whatever information he or she considers useful to convince the Administrator that an adjustment is warranted.
- (3) If, in the Administrator's judgment, an owner or operator's request for an adjustment to a particular time period or postmark deadline is warranted, the Administrator will approve the adjustment. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an adjustment within 15 calendar days of receiving sufficient information to evaluate the request.
- (4) If the Administrator is unable to meet a specified deadline, he or she will notify the owner or operator of any significant delay and inform the owner or operator of the amended schedule.
- [40 CFR 60.19]



**APPENDIX GC**  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- (a) Have access to and copy and records that must be kept under the conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- (a) A description of and cause of non-compliance; and
  - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

**APPENDIX GC**  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- (a) Determination of Best Available Control Technology ( );
  - (b) Determination of Prevention of Significant Deterioration ( ); and
  - (c) Compliance with New Source Performance Standards (X).
- G.14 The permittee shall comply with the following:
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    - 1. The date, exact place, and time of sampling or measurements;
    - 2. The person responsible for performing the sampling or measurements;
    - 3. The dates analyses were performed;
    - 4. The person responsible for performing the analyses;
    - 5. The analytical techniques or methods used; and
    - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Florida Department of  
Environmental Protection

Memorandum

---

TO: Howard L. Rhodes

THRU: Clair Fancy *copy for C.H.F. 9/11*  
Al Linero

FROM: Joe Kahn *JK*

DATE: September 8, 1998

SUBJECT: **Crusher Contractors Co.**

Attached for approval and signature is operation permit number 7775057-002-AO for statewide operation of a diesel engine powered portable asphalt material crushing plant. The public notice requirements were met in Charlotte, DeSoto, and Sarasota Counties on March 9, 1998 and were met in Broward and Dade Counties on May 27, 1998.

**I recommend your approval and signature.**

Attachments

/jk

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
 Mr. Brian P. Smith  
 Crusher Contractors  
 135 Timber Lane  
 Jupiter, FL 33458

4a. Article Number  
 7333 612 511

4b. Service Type  
 Registered  Certified  
 Express Mail  Insured  
 Return Receipt for Merchandise  COD

7. Date of Delivery  
 9-21-98

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)  
 X *Brian Smith*

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

7 333 612 511

US Postal Service  
**Receipt for Certified Mail**

No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Sent to	
<i>Brian Smith</i>	
Street & Number	
<i>Crusher Contractors</i>	
Post Office, State, & ZIP Code	
<i>Jupiter FL</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	<i>9-16-98</i>
<i>7775057-002-AD</i>	

PS Form 3800, April 1995

# Crusher Contractors, Inc.

135 Timber Lane  
Jupiter, FL 33458

---

Phone (561) 747-3155

July 04, 1998

Mr. Willard Hanks  
Dept. of Environmental Protection  
Division of Air Resource Management  
Mail Station 5505  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

7775057-002-AD

**RECEIVED**

JUL 06 1998  
BUREAU OF  
AIR REGULATION

Dear Mr. Hanks,

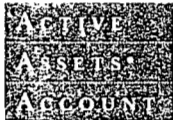
Enclosed please find four copies of the application form for our operating permit, the original proof of publication for Broward and Dade counties , and a check payable to DEP in the amount of \$1000.00.

I trust that this information will be satisfactory for the operating permit and I await your response.

Sincerely,



Brian P. Smith  
Vice-President  
Crusher Contractors, Inc.



**CRUSHER CONTRACTORS INC**  
 135 TIMBER LANE  
 JUPITER, FL 33458  
 (561)-747-3155

0821

25-80/440

7-3 1998

PAY TO THE  
 ORDER OF

*Department of Environ. Prot.*

\$ 1,000.<sup>00</sup>

*One thousand and <sup>00</sup>/<sub>100</sub>*

DOLLARS Security features included. Details on back.



DEAN WITTER REYNOLDS INC.

**BANK ONE**  
 BANK ONE COLUMBUS, NA  
 Columbus Ohio 43271

ABCDEFGHIJKLMNPRSTUV WXYZ1 2345 67890

MEMO

*Brian P. Smith*

MP



RECEIVED  
JUL 06 1998  
BUREAU OF  
AIR REGULATION

Department of  
Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT  
APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Identification of Facility Addressed in This Application

1. Facility Owner/Company Name : Crusher Contractors Co.	
2. Site Name : Crusher Contractors - Relocatable	
3. Facility Identification Number :	7775057 [ ] Unknown
4. Facility Location : Crusher is currently located on property belonging to Pavex Inc. at the address shown. Crusher will be moved within the next month.  Street Address or Other Locator : 18600 NW 122nd Ave. City : Miami County : Dade Zip Code : 33178-	
5. Relocatable Facility? [X] Yes [ ] No	6. Existing Permitted Facility? [ ] Yes [X] No

7775057-002-A0

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official :

Name : Mr. Brian P. Smith  
Title : Owner

2. Owner or Authorized Representative or Responsible Official Mailing Address :

Organization/Firm : Crusher Contractors Co.  
Street Address : 135 Timber Lane  
City : Jupiter  
State : FL Zip Code : 33458-\_\_\_\_

3. Owner/Authorized Representative or Responsible Official Telephone Numbers :

Telephone : (561)747-3155 Fax :

4. Owner/Authorized Representative or Responsible Official Statement :

*I, the undersigned, am the owner or authorized representative\* of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions units.*

  
Signature

7-3-98  
Date

\* Attach letter of authorization if not currently on file.

I. Part 2 - 1



**Scope of Application**

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>	<b>Permit Type</b>
Unknown	Kemco Dynabreaker portable crusher	
Unknown	Catapillar 3408 Diesel Engine	
Unknown	4 cyl Cummings Diesel Engine	

**Purpose of Application and Category**

Category I : All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain :

- ] Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.
  
- ] Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number :

- ] Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed :

- ] Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number :

Operation permit to be revised :

- ] Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application.

Operation permit to be revised/corrected :

- ] Air operation permit revision for a Title V source for reasons other than construction or

I. Part 4 - 1

modification of an emissions unit.

Operation permit to be revised :

Reason for revision :

Category II : All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.

This Application for Air Permit is submitted to obtain :

Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s) :

Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed :

Air operation permit revision for a synthetic non-Title V source.

Operation permit to be revised :

Reason for revision :

Category III : All Air Construction Permit Applications for All Facilities and Emissions Units

This Application for Air Permit is submitted to obtain :

Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any :

I. Part 4 - 2

- ] Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Current operation permit number(s) :

- ] Air construction permit for one or more existing, but unpermitted, emissions units.



4. Professional Engineer Statement :

*I, the undersigned, hereby certified, except as particularly noted herein\*, that :*

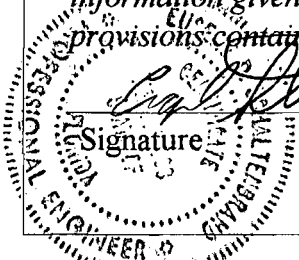
*(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollutant control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and*

*(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ ] if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [X] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.*



Signature

Date

12 Jun 98

\* Attach any exception to certification statement.

I. Part 6 - 1

**Application Contact**

1. Name and Title of Application Contact :

Name : Mr. Brian P. Smith  
Title : Owner

2. Application Contact Mailing Address :

Organization/Firm : Crusher Contractors Co.  
Street Address : 135 Timber Lane  
City : Jupiter  
State : FL                      Zip Code : 33458-

3. Application Contact Telephone Numbers :

Telephone : (561)747-3155                      Fax :

**Application Comment**

This unit is portable and will probably be re-located to another site probably in Florida within the next month. It is part of a contract operation and moves frequently from site to site.

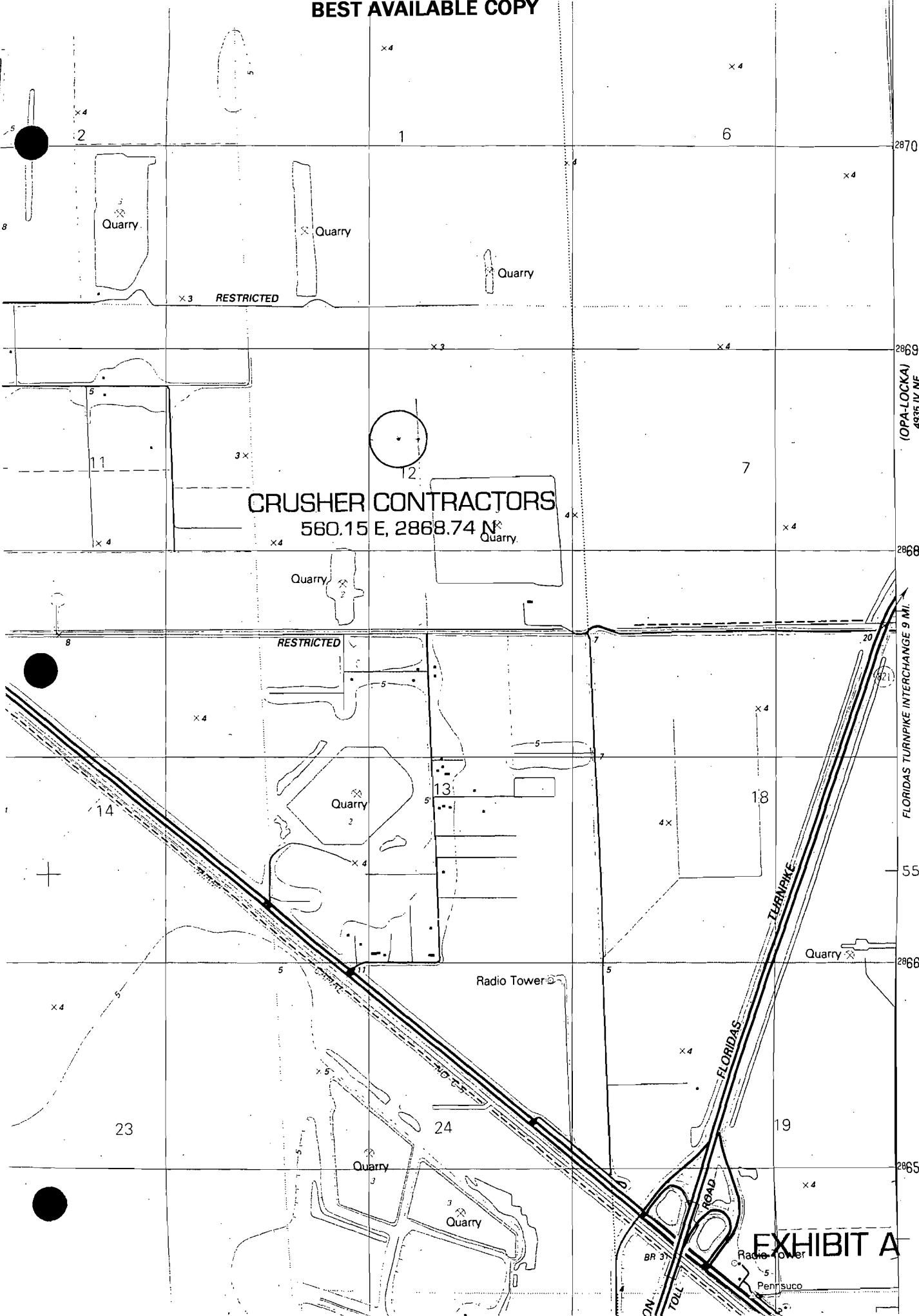


EXHIBIT A



- 1 Crusher
- 2 Crusher Conveyor #1
- 3 Conveyor #2
- 4 Conveyor #3
- 5 Screen
- 6 Conveyor #4
- 7 Conveyor #5
- 8 Water Spray

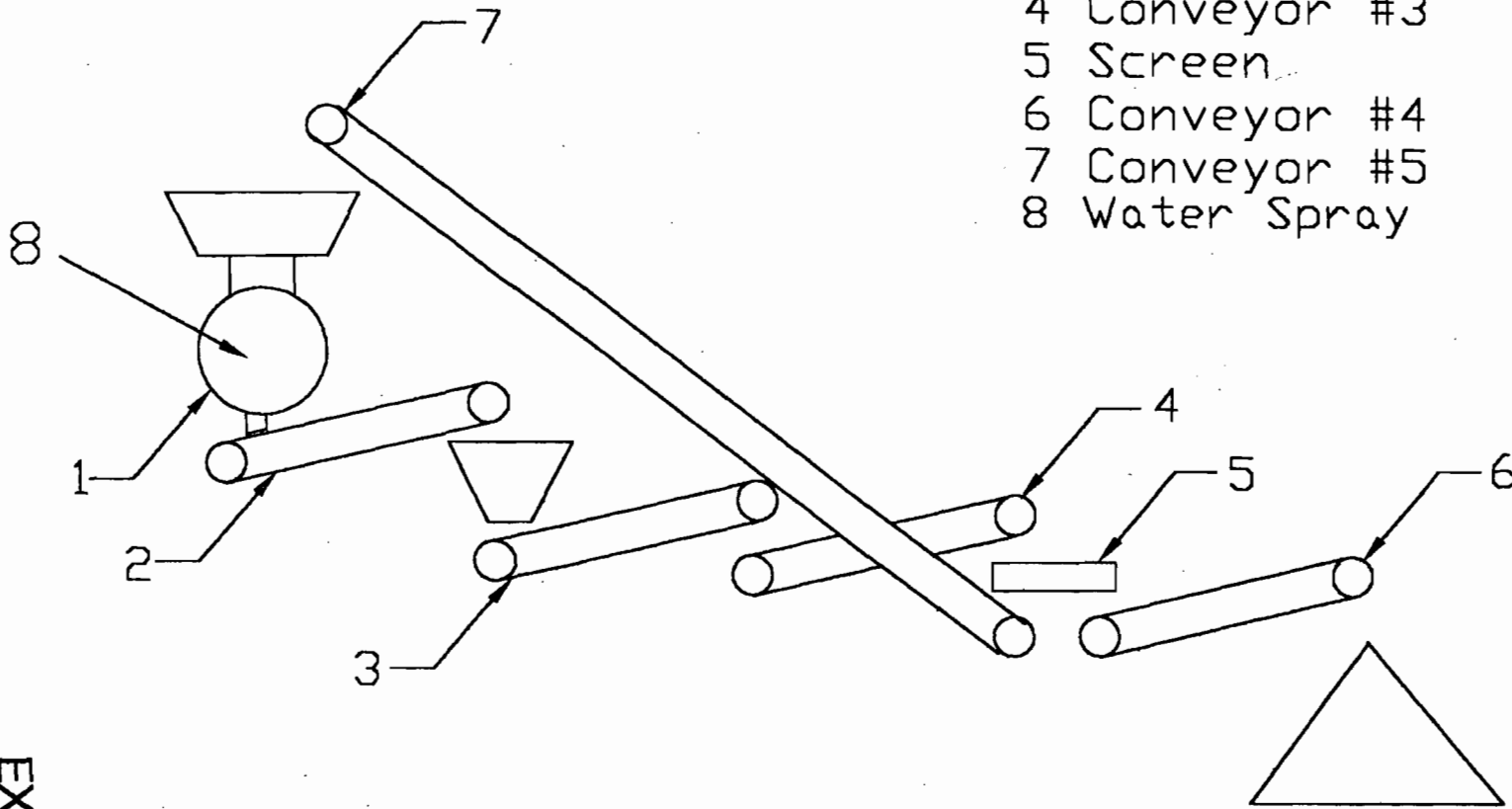


EXHIBIT B

BROOKS & ASSOCIATES  
 FLOW DIAGRAM FOR  
 CRUSHER CONTRACTORS

**VISIBLE EMISSIONS TEST REPORT**

**PREPARED FOR:**

**Crusher Contractors**

**135 Timber Lane**

**Jupiter, FL 33458**

**TEST SITE:**

**Pavex Inc.**

**18600 NW 122<sup>nd</sup> Ave.**

**Miami, FL 33178**

**I hereby certify that the information contained in this report is true to the best of my knowledge.**

  
Eugene D. Schaltenbrand, PE

12 Jun 98  
Date

**EXHIBIT C**

**Crusher Contractors  
Jupiter, FL**

## **TABLE OF CONTENTS**

- 1.0 Summary
- 2.0 Description of Sampling Locations
- 3.0 Visible Emissions Field Data Sheets
- 4.0 Computer Input Sheets
- 5.0 Flow Diagram
- 6.0 Location Photographs

Crusher Contractors  
Jupiter, FL

## **1.0 SUMMARY**

Brooks & Associates conducted a visible emissions tests on 4 and 9 June 1998 at Crusher Contractors job site located on Pavex Inc. property at 18600 NW 122<sup>nd</sup> Ave. Miami, FL.

The tests were conducted in strict accordance with the Environmental Protection Agency's Method 9 as described in 40CFR60 Appendix A, as amended and modified by Florida State Code. These tests were conducted to comply with the conditions set forth in Crusher Contractors construction permit by the Florida Department of Environmental Protection, Southeast District and to determine compliance with Chapter 62-296 and 62-297 of the Florida Administrative Code.

The Kemco Dynabreaker portable crusher was operating at its maximum capacity of two hundred (200) tons per hour during the tests on 4 and 9 June 1998. All eight emission points observed had average opacities of 0% for the test.

Barbara Schaltenbrand and Eugene Schaltenbrand were the Certified Emissions Evaluators. Eugene Schaltenbrand was responsible for the overall testing program and preparation of this report. Stephanie Brooks coordinated the test with DERM and DEP. Neither DERM nor DEP was represented at the test. Mr Brian Smith represented Crusher Contractors.

Crusher Contractors  
Jupiter, FL

## **2.0 DESCRIPTION OF SAMPLING LOCATIONS**

The Kemco Dynabreaker portable crusher operated by Crusher Contractors consists of four distinct sections. The first section includes the large diesel engine (Emission Unit #2), the crusher itself (#1 on the flow diagram) and a short crusher conveyor (#2 on the flow diagram). The second section includes the small diesel engine (Emission Unit #3), conveyors #2 & #3, and the screen. Because of their proximity conveyor #3 and the screen were tested as one point. The third section is conveyor #4 and the fourth section is conveyor #5.

The photographs in Section 6.0 of this report were taken from the Observer's Position on 4 June. On 9 June Emission Units #2 & #3 were observed from atop the spoil bank behind conveyor #4.

Crusher Contractors  
Jupiter, FL

**3.0 VISIBLE EMISSIONS OBSERVATIONS FORMS- FIELD DATA**

# Brooks & Associates, Inc.

Engineering and Environmental Consulting

## VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)  
 Method 2 203A 203B Other \_\_\_\_\_

Company Name  
CRUSHER CONTRACTORS

Facility Name  
PARK

Street Address  
12600 NW 122nd Ave

City State Zip  
Miami FL 33198

Process  
CRUSHER Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_

Control Equipment  
Nunc Operating Mode \_\_\_\_\_

Describe Emission Point  
HOPPER SERVING CRUSHER

Height of Emiss. Pt.  
 Start 20' End 20' Start 14' End 14'

Distance to Emiss. Pt.  
 Start 95' End 95' Start 300° End 300°

Vertical Angle to Obs. Pt.  
 Start 8° End 8° Start 300° End 300°

Distance and Direction to Observation Point from Emission Point  
 Start \_\_\_\_\_ End \_\_\_\_\_

Describe Emissions  
 Start Nunc End Nunc

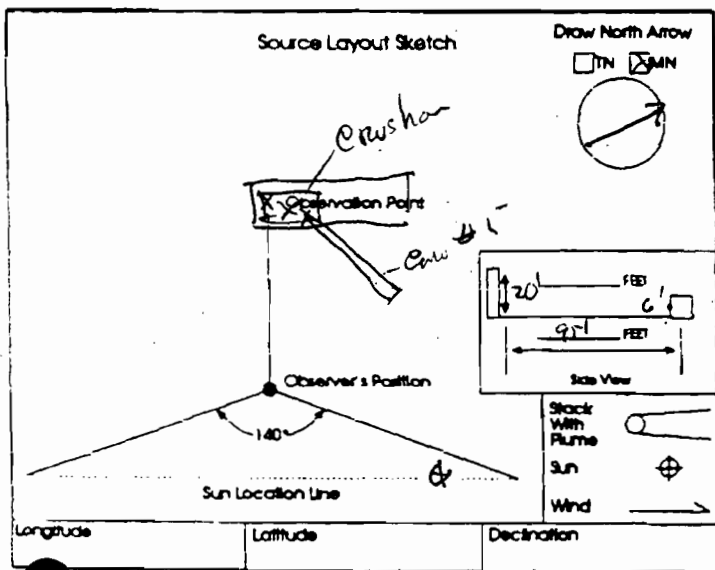
Water Droplet Plume  
 Attached  Detached  None

Describe Plume Background  
 Start Sky/Clouds End Sky/Clouds

Background Color  
 Start B/G End B/G Start \_\_\_\_\_ End \_\_\_\_\_

Wind Speed  
 Start Calm End Calm Start \_\_\_\_\_ End \_\_\_\_\_

Ambient Temp  
 Start 80 End 82 Start 77 End 85%



Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Continued on VEO Form Number \_\_\_\_\_

Observation Date	Time Zone	Start Time	End Time				
<u>9 Jun 98</u>	<u>EDT</u>	<u>0845</u>	<u>0915</u>				
Sec	0	15	30	45	Comments		
1	0	0	0	0			
2	0	0	0	0			
3	0	0	0	0			
4	0	0	0	0			
5	0	0	0	0			
6	0	0	0	0			
7	0	0	0	0			
8	0	0	0	0			
9	0	0	0	0			
10	0	0	0	0			
11	0	0	0	0			
12	0	0	0	0			
13	0	0	0	0			
14	0	0	0	0			
15	0	0	0	0			
16	0	0	0	0			
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22	0	0	0	0			
23	0	0	0	0			
24	0	0	0	0			
25	0	0	0	0			
26	0	0	0	0			
27	0	0	0	0			
28	0	0	0	0			
29	0	0	0	0			
30	0	0	0	0			

Observer's Name (Print)  
E. D. SCHALTENBRAND

Observer's Signature  
[Signature] Date 9 Jun 98

Organization  
Brooks & Associates 3-2

Certified By  
ETA Date Jun 98

6841

# Brooks & Associates, Inc.

Engineering and Environmental Consulting

## VISIBLE EMISSION OBSERVATION FORM 1

Form Number \_\_\_\_\_ Page 1 of 1  
Continued on VEO Form Number \_\_\_\_\_

Method Used (Circle One)  
Method 9 203A 203B Other \_\_\_\_\_

Company Name  
CRUSHER CONTRACTORS

Facility Name  
PAVE X

Street Address  
18600 NW 122nd Ave

City MIAMI State FL Zip 33178

Process  
CRUSHER CONVEYOR Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_

Control Equipment  
None Operating Mode \_\_\_\_\_

Describe Emission Point  
SHORT CONVEYOR AT EAST END OF CRUSHER TRAILER

Height of Emiss. Pt.  
Start 14' End 14' Start 8' End 8'

Distance to Emiss. Pt.  
Start 100' End 100' Start 320° End 320°

Vertical Angle to Obs. Pt.  
Start 5° End 5° Start 320° End 320°

Distance and Direction to Observation Point from Emission Point  
Start \_\_\_\_\_ End \_\_\_\_\_

Describe Emissions  
Start None End None

Emission Color \_\_\_\_\_ Water Droplet Plume  
Attached  Detached  None

Describe Plume Background  
Start clouds/sky End clouds/sky

Background Color \_\_\_\_\_ Sky Conditions \_\_\_\_\_

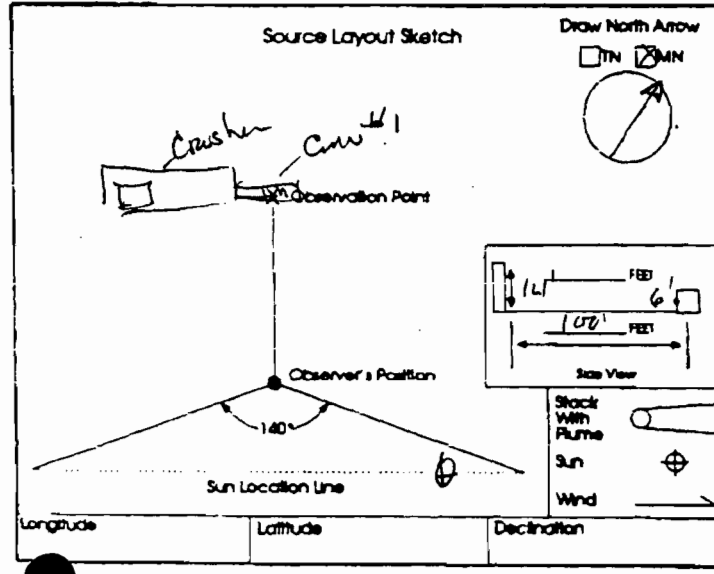
Start B1/Gn End B1/Gn Start Ø End Ø

Wind Speed \_\_\_\_\_ Wind Direction \_\_\_\_\_

Start Calm End Calm Start \_\_\_\_\_ End \_\_\_\_\_

Ambient Temp. \_\_\_\_\_ Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_

Start 80 End 82 Start 75 End 85



Additional Information

Observation Date	Time Zone	Start Time	End Time						
4 Jun 98	EST	0845	0915						
Sec	0	15	30	45	Comments				
Min									
1	0	0	0	0					
2	0	0	0	0					
3	0	0	0	0					
4	0	0	0	0					
5	0	0	0	0					
6	0	0	0	0					
7	0	0	0	0					
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22	0	0	0	0					
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25	0	0	0	0					
26	0	0	0	0					
27	0	0	0	0					
28	0	0	0	0					
29	0	0	0	0					
30	0	0	0	0					

Observer's Name (Print)  
E. D. SCHULTZ

Observer's Signature [Signature] Date 4 Jun 98

Organization  
BROOKS & ASSOCIATES

Certified By ETA Date Jun 98



# Brooks & Associates, Inc.

Engineering and Environmental Consulting

## VISIBLE EMISSION OBSERVATION FORM 1

Form Number \_\_\_\_\_ Page 1 of 7  
 Continued on VEO Form Number \_\_\_\_\_

Method Used (Circle One)  
 Method 9 203A 203B Other \_\_\_\_\_

Company Name  
Crushee Contractors

Facility Name  
PAVEX

Street Address  
18600 NW 122nd Ave

City Miramar State FL Zip 33178

Process  
Asphalt Crushing Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_

Control Equipment  
None Operating Mode \_\_\_\_\_

Describe Emission Point  
West Conveyor Discharge Conv #2

Height of Emiss. Pt.  
Start 6' End 6' Height of Emiss. Pt. Rel. to Observer  
Start 0 End 0

Distance to Emiss. Pt.  
Start 100' End 100' Direction to Emiss. Pt. (Degrees)  
Start 320° End 320°

Vertical Angle to Obs. Pt.  
Start 3° End 3° Direction to Obs. Pt. (Degrees)  
Start 320° End 320°

Distance and Direction to Observation Point from Emission Point  
Start 1/2 Vertical 6' End 1/2 Vertical 6'

Describe Emissions  
Start None End None

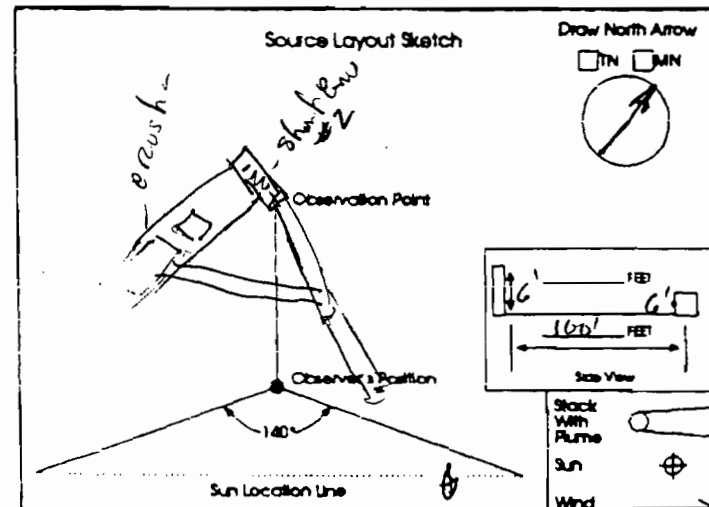
Emission Color  
Start \_\_\_\_\_ End \_\_\_\_\_  
 Water Droplet Plume  
 Attached  Detached  None

Describe Plume Background  
Start Clouds/Sky End Clouds/Sky

Background Color  
Start Gr/Pk End Gr/Pk Sky Conditions  
Start ⊙ End ⊙

Wind Speed  
Start 0 mph End 0 mph Wind Direction  
Start \_\_\_\_\_ End \_\_\_\_\_

Ambient Temp  
Start 80 End 82 Wet Bulb Temp. 77 RH Percent 85%



Longitude \_\_\_\_\_ Latitude \_\_\_\_\_ Destination \_\_\_\_\_

Additional Information

Observation Date	Time Zone	Start Time	End Time	Comments	
<u>7 Jun 98</u>	<u>EDT</u>	<u>0845</u>	<u>0915</u>		
Sec	0	15	30	45	
Min	0	0	0	0	
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7	0	0	0	0	
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9	0	0	0	0	
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11	0	0	0	0	
12	0	0	0	0	
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14	0	0	0	0	
15	0	0	0	0	
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21	0	0	0	0	
22	0	0	0	0	
23	0	0	0	0	
24	0	0	0	0	
25	0	0	0	0	
26	0	0	0	0	
27	0	0	0	0	
28	0	0	0	0	
29	0	0	0	0	
30	0	0	0	0	

Observer's Name (Print)  
Barbara G. Schattenbrand

Observer's Signature  
Barbara G. Schattenbrand Date June 4, 1998

Organization  
Brooks & Associates

Certified by  
ETA Date 3-4 January 1998

# Brooks & Associates, Inc.

Engineering and Environmental Consulting

## VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)  
 Method 9 203A 203B Other \_\_\_\_\_

Company Name  
CRUSHED CONTRACTORS

Facility Name  
PAVE V

Street Address  
18600 NW 122nd Ave

City  
Miami State FL Zip 33198

Process  
ASPHALT CRUSHING Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_

Control Equipment  
None Operating Mode \_\_\_\_\_

Describe Emission Point  
Intermediate Conveyor Discharge  
AND SCREEN

Height of Emiss. Pt.  
 Start 20' End 20' Start 14' End 14'

Distance to Emiss. Pt.  
 Start 80' End 80' Start 330° End 330°

Vertical Angle to Obs. Pt.  
 Start 90° End 90° Start 330° End 330°

Distance and Direction to Observation Point from Emission Point  
 Start 90 End 90

Describe Emissions  
 Start None End None

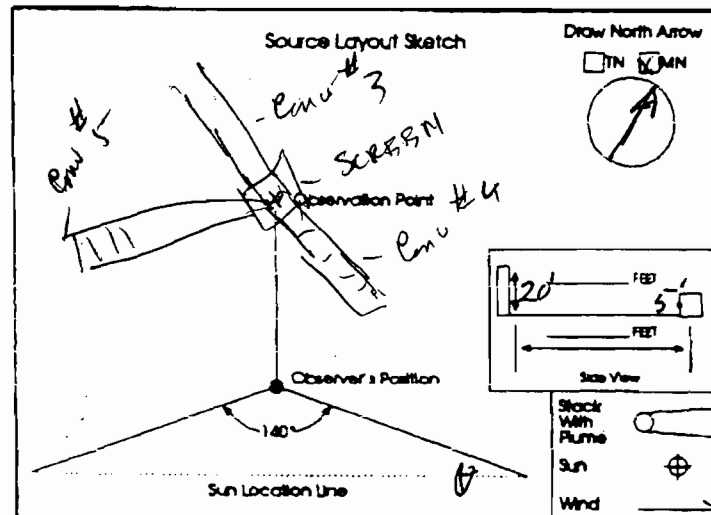
Water Droplet Plume  
 Attached  Detached  None

Describe Plume Background  
 Start Sky/Clouds End Sky/Clouds

Background Color  
 Start B/Cn End B/Cn Start ☉ End ☉

Wind Speed  
 Start 021w End 021w Start \_\_\_\_\_ End \_\_\_\_\_

Ambient Temp  
 Start 80 End 82 Wet Bulb Temp. 77 RH Percent 85



Longitude \_\_\_\_\_ Latitude \_\_\_\_\_ Direction \_\_\_\_\_

Additional Information

Form Number \_\_\_\_\_ Page 1 of 1

Continued on VEO Form Number \_\_\_\_\_

Observation Date		Time Zone		Start Time	End Time	
4/11/98		EDT		0845	0915	
Min	Sec	0	15	30	45	Comments
1	0	0	0	0		
2	0	0	0	0		
3	0	0	0	0		
4	0	0	0	0		
5	0	0	0	0		
6	0	0	0	0		
7	0	0	0	0		
8	0	0	0	0		
9	0	0	0	0		
10	0	0	0	0		
11	0	0	0	0		
12	0	0	0	0		
13	0	0	0	0		
14	0	0	0	0		
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20	0	0	0	0		
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26	0	0	0	0		
27	0	0	0	0		
28	0	0	0	0		
29	0	0	0	0		
30	0	0	0	0		

Observer's Name (Print)  
Barbara G Schaltenbrand

Observer's Signature  
Barbara G Schaltenbrand Date June 4, 1998

Organization  
Brooks & Associates

Checked by  
ETA Date 3-5 January 1998

# Brooks & Associates, Inc.

Engineering and Environmental Consulting

## VISIBLE EMISSION OBSERVATION FORM 1

Form Number	Page	Of
Continued on VEO Form Number		

Standardized (Circle One)  
 Method 9  203A  203B  Other \_\_\_\_\_

Company Name  
*Crescent Contractors*

Facility Name  
*PAVEX*

Street Address  
*18600 NW 122nd Ave*

City  
*Miami* State  
*FL* Zip  
*33178*

Process  
*ASPHALT CRUSHING* Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_

Control Equipment  
*NONE* Operating Mode \_\_\_\_\_

Describe Emission Point  
*Final Conveyor Discharge (Conv #9)*

Height of Emiss. Pt.  
Start *20'* End *20'* Height of Emiss. Pt. Rel. to Observer  
Start *14.5'* End *14.5'*

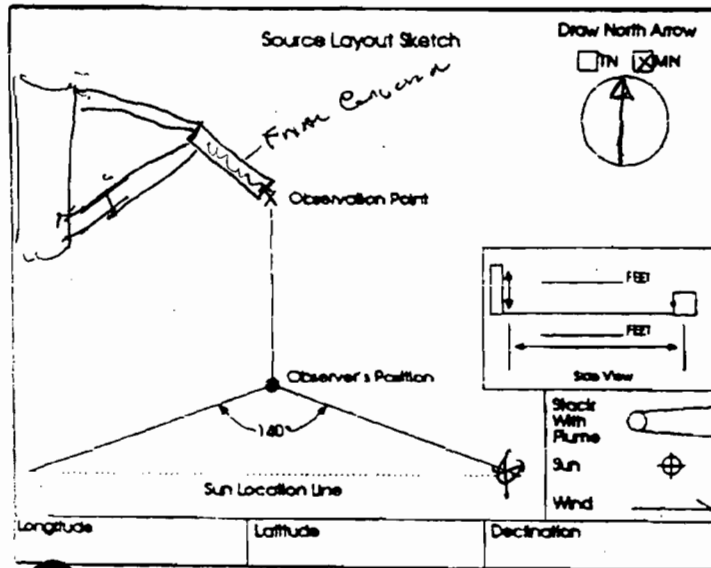
Distance to Emiss. Pt.  
Start *60'* End *60'* Direction to Emiss. Pt. (Degrees)  
Start *360°* End *360°*

Vertical Angle to Obs. Pt.  
Start *13.5°* End *13.5°* Direction to Obs. Pt. (Degrees)  
Start *360°* End *360°*

Distance and Direction to Observation Point from Emission Point  
Start \_\_\_\_\_ End \_\_\_\_\_

Describe Emissions  
Start *Near* End *Near*  
Emission Color \_\_\_\_\_ Water Droplet Plume \_\_\_\_\_  
Attached  Detached  None

Describe Plume Background  
Start *CLOUDS/SKY* End *SAME*  
Background Color \_\_\_\_\_ Sky Conditions \_\_\_\_\_  
Start *GR/BLU* End *GR/BLU* Start *0* End *0*  
Wind Speed \_\_\_\_\_ Wind Direction \_\_\_\_\_  
Start *CRW* End *CRW* Start \_\_\_\_\_ End \_\_\_\_\_  
Ambient Temp. \_\_\_\_\_ Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_  
Start *80* End *82* Start *77* End *85%*



Longitude \_\_\_\_\_ Latitude \_\_\_\_\_ Declination \_\_\_\_\_

Additional Information \_\_\_\_\_

Observation Date	Time Zone	Start Time	End Time				
<i>Jan 4, 1998</i>	<i>EDT</i>	<i>0845</i>	<i>0915</i>				
Sec	0	15	30	45	Comments		
1	0	0	0	0			
2	0	0	0	0			
3	0	0	0	0			
4	0	0	0	0			
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26	0	0	0	0			
27	0	0	0	0			
28	0	0	0	0			
29	0	0	0	0			
30	0	0	0	0			

Observer's Name (Print)  
*Barbara G Schaltenbrand*

Observer's Signature  
*Barbara G Schaltenbrand* Date  
*Jan 4, 1998*

Organization  
*Brooks & Associates*

Certified by  
*EIA* Date  
*3-6 Jan 98*

# Brooks & Associates, Inc.

Engineering and Environmental Consulting

## VISIBLE EMISSION OBSERVATION FORM 1

Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
 Continued on VFO Form Number \_\_\_\_\_

Method Used (Circle One)  
 Method 9  203A  203B  Other: \_\_\_\_\_

Company Name  
CRUSHER CONTRACTORS

Facility Name  
PAVEX

Street Address  
18600 NW 122nd Ave

City  
Miami

State  
FL

Zip  
33178

Process #5-  
Return Conveyor Disc

Unit # \_\_\_\_\_

Operating Mode \_\_\_\_\_

Control Equipment  
None

Operating Mode \_\_\_\_\_

Describe Emission Point  
DISCHARGE OF RETURN CONVEYER  
AT CRUSHER

Height of Emiss. Pt.  
Start 22' End 22'

Distance to Emiss. Pt.  
Start 95' End 95'

Height of Emiss. Pt. Rel. to Observer  
Start 16' End 16'

Direction to Emiss. Pt. (Degrees)  
Start 305° End 305°

Vertical Angle to Obs. Pt.  
Start 10° End 10°

Direction to Obs. Pt. (Degrees)  
Start 305° End 305°

Distance and Direction to Observation Point from Emission Point  
Start 0/0 End 0/0

Describe Emissions  
Start None End None

Emission Color  
Start - End -

Water Droplet Plume  
Attached  Detached  None

Describe Plume Background  
Start Clouds/Sky End Clouds/Sky

Background Color  
Start Gr/Bl End \_\_\_\_\_

Wind Speed  
Start Calm End Calm

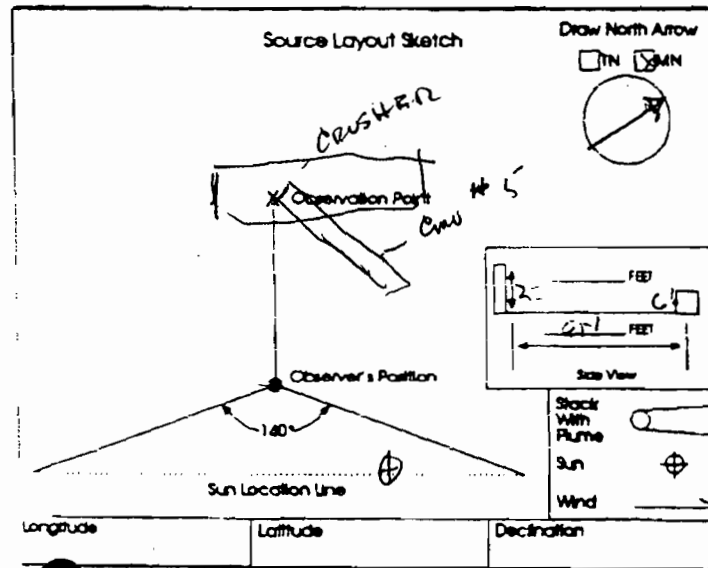
Ambient Temp  
Start 80 End 82

Sky Conditions  
Start ☐ End ☐

Wind Direction  
Start Calm End Calm

Wet Bulb Temp.  
Start 77

RH Percent  
Start 85%



Observation Date	Time Zone	Start Time	End Time		
9 Jan 98	EDT	0845	0915		
Sec	0	15	30	45	Comments
Min					
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
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25	0	0	0	0	
26	0	0	0	0	
27	0	0	0	0	
28	0	0	0	0	
29	0	0	0	0	
30	0	0	0	0	

Observer's Name (Print)  
E. D. SCHALTENBRAND

Observer's Signature  
*E. D. Schaltenbrand*

Organization  
Brooks & Associates

Certified By  
ETA

Date  
9 Jan 98

Date  
3-7 Jan 98

# Brooks & Associates, Inc.

Engineering and Environmental Consulting

## VISIBLE EMISSION OBSERVATION FORM 1

Form Number    Page    of     
 Continued on VEO Form Number   

Method Used (Circle One)  
 Method 9  203A  203B  Other:   

Company Name  
CRUSHER CONTRACTORS

Facility Name  
DAVEX

Street Address  
18600 NW 122 AVE

City MIAMI State FL Zip 33178

Process  
ASPHALT CRUSHER Unit #    Operating Mode   

Control Equipment  
N/A Operating Mode   

Describe Emission Point  
EXHAUST STACK (HORIZONTAL)  
OR LARGE DIESEL ENGINE

Height of Emiss. Pt.  
 Start 19' End 19' Height of Emiss. Pt. Rel. to Observer  
 Start 3' End 3'

Distance to Emiss. Pt.  
 Start 100' End 100' Direction to Emiss. Pt. (Degrees)  
 Start 240° End 240°

Vertical Angle to Obs. Pt.  
 Start 2° End 2° Direction to Obs. Pt. (Degrees)  
 Start 240° End 240°

Distance and Direction to Observation Point from Emission Point  
 Start 0/0 End 0/0

Describe Emissions  
 Start None End None

Emission Color  
 Start N/A End N/A Water Droplet Plume  
 Attached  Detached  None

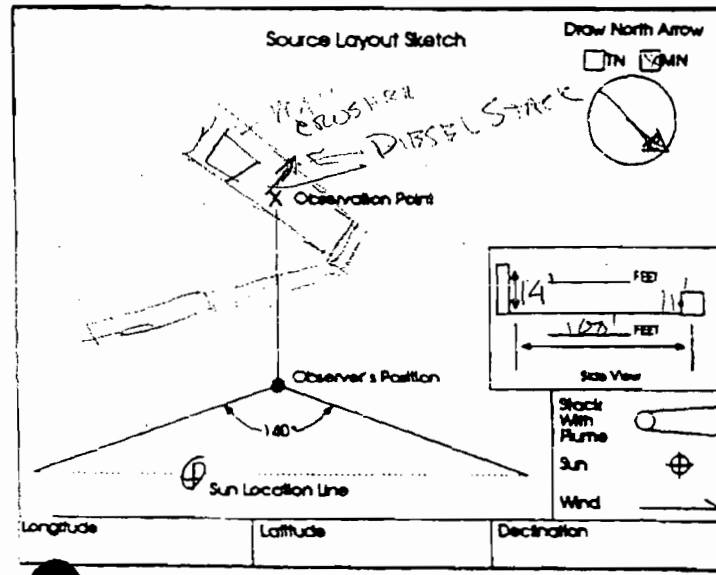
Describe Plume Background  
 Start SCARY ASPHALT PILE End STEEL

Background Color  
 Start Grey End Grey Sky Conditions  
 Start 0 End 0

Wind Speed  
 Start 5-7 End 5-7 Wind Direction  
 Start N/E End N/E

Ambient Temp  
 Start 84 End 88 Wet Bulb Temp.  
 Start 98 End 97

Observation Date		Time Zone		Start Time	End Time	Comments
9 Jun 98		FPT		0842	0912	
Sec	0	15	30	45		
Min	0	0	0	0		
1	0	0	0	0		
2	0	0	0	0		
3	0	0	0	0		
4	0	0	0	0		
5	0	0	0	0		
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15	0	0	0	0		
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21	0	0	0	0		
22	0	0	0	0		
23	0	0	0	0		
24	0	0	0	0		
25	0	0	0	0		
26	0	0	0	0		
27	0	0	0	0		
28	0	0	0	0		
29	0	0	0	0		
30	0	0	0	0		



Additional Information  
  

Observer's Name (Print)  
E. D. SCHALTENBRAND

Observer's Signature  
[Signature] Date 9 Jun 98

Organization  
Brooks & Associates, Inc.

Certified By  
ETA Date 1 Jun 98

08412  
**Brooks & Associates, Inc.**  
 Engineering and Environmental Consulting  
**VISIBLE EMISSION OBSERVATION FORM 1**

Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Method Used (Circle One)  
 Method 9 ZISA ZSB Other \_\_\_\_\_

Company Name  
 CRUSHER CONTRACTORS  
 Facility Name  
 PAVER  
 Street Address  
 18600 NW 122 AVE  
 City MIAMI State FL Zip 33178

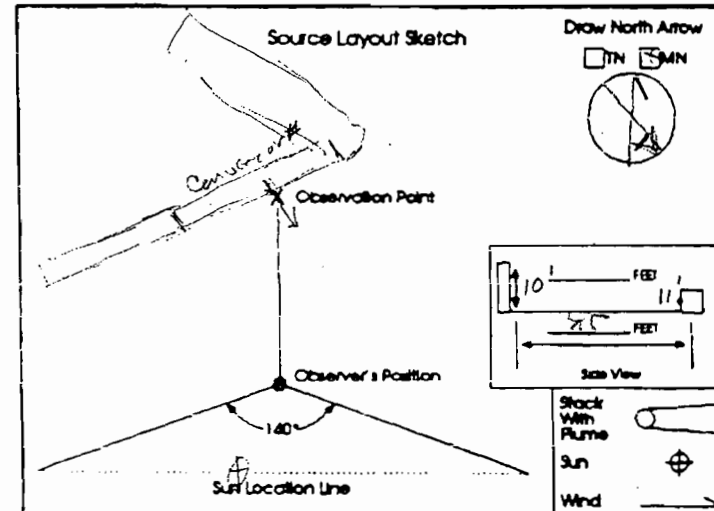
Process ASPHALT CRUSHING Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_  
 Control Equipment None Operating Mode \_\_\_\_\_

Describe Emission Point  
 EXHAUST STACK on SMALL DIESEL ENGINE  
 Height of Emiss. Pt. Start 10' End 10' Height of Emiss. Pt. Rel. to Observer Start -1' End -1'  
 Distance to Emiss. Pt. Start 85' End \_\_\_\_\_ Direction to Emiss. Pt. (Degrees) Start 240° End \_\_\_\_\_

Vertical Angle to Obs. Pt. Start -1° End -1° Direction to Obs. Pt. (Degrees) Start 240° End 240°  
 Distance and Direction to Observation Point from Emission Point Start 90 End 90

Describe Emissions  
 Start None End None  
 Emission Color N/A End N/A  
 Water Droplet Plume Attached  Detached  None

Describe Plume Background  
 Start MACHINERY End STAIN  
 Background Color Start GRAY End \_\_\_\_\_  
 Wind Speed Start 5-7 End 5-7 Wind Direction Start NE End NE  
 Ambient Temp Start 84 End 83 Wet Bulb Temp 76 RH Percent 77



Observation Date	Time Zone	Start Time	End Time					
9 Jun 98	FDT	0842	0912					
Sec	0	15	30	45	Comments			
1	0	0	0	0				
2	0	0	0	0				
3	0	0	0	0				
4	0	0	0	0				
5	0	0	0	0				
6	0	0	0	0				
7	0	0	0	0				
8	0	0	0	0				
9	0	0	0	0				
10	0	0	0	0				
11	0	0	0	0	T			
12	0	0	0	0				
13	0	0	0	0				
14	0	0	0	0				
15	0	0	0	0				
16	0	0	0	0				
17	0	0	0	0				
18	0	0	0	0				
19	0	0	0	0				
20	0	0	0	0				
21	0	0	0	0				
22	0	0	0	0				
23	0	0	0	0				
24	0	0	0	0				
25	0	0	0	0				
26	0	0	0	0				
27	0	0	0	0				
28	0	0	0	0				
29	0	0	0	0				
30	0	0	0	0				

Observer's Name (Print)  
 E.D. SCHALTENBRAND  
 Observer's Signature  
 [Signature] Date 9 Jun 98  
 Organization  
 BROOKS & ASSOCIATES 39  
 Certified by  
 E.T.H. Date Jan 98

Crusher Contractors  
Jupiter, FL

**4.0 COMPUTER INPUT SHEETS**





**Crusher Contractors  
Jupiter, FL**

Owner  
Operator

Crusher Contractors  
Same  
Emissions Unit #1  
Conveyor #3 & Screen

**Visible Emissions Field Data  
Computer Input Sheets**

4-Jun 98

Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity	5%
Maximum Observed Opacity	0%
Maximum six minute average	0%

**Crusher Contractors  
Jupiter, FL**

Owner  
Operator

Crusher Contractors  
Same  
Emissions Unit #1  
Conveyor #4

**Visible Emissions Field Data  
Computer Input Sheets**

4-Jun 98

Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
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22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity 5%  
 Maximum Observed Opacity 0%  
 Maximum six minute average 0%

**Crusher Contractors  
Jupiter, FL**

Owner  
Operator

Crusher Contractors  
Same  
Emissions Unit #1  
Conveyor #5

**Visible Emissions Field Data  
Computer Input Sheets**

4-Jun 98

Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
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16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
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22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity	5%
Maximum Observed Opacity	0%
Maximum six minute average	0%

**Crusher Contractors  
Jupiter, FL**

Owner  
Operator

Crusher Contractors  
Same  
Emissions Unit #2  
Diesel Engine (Cat)

**Visible Emissions Field Data  
Computer Input Sheets**

4-Jun 98

Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
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16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity	20%
Maximum Observed Opacity	0%
Maximum six minute average	0%

**Crusher Contractors  
Jupiter, FL**

Owner                      Crusher Contractors  
Operator                    Same  
                                  Emissions Unit #3  
                                  Diesel Engine (Cummings)

**Visible Emissions Field Data  
Computer Input Sheets**

4-Jun 98

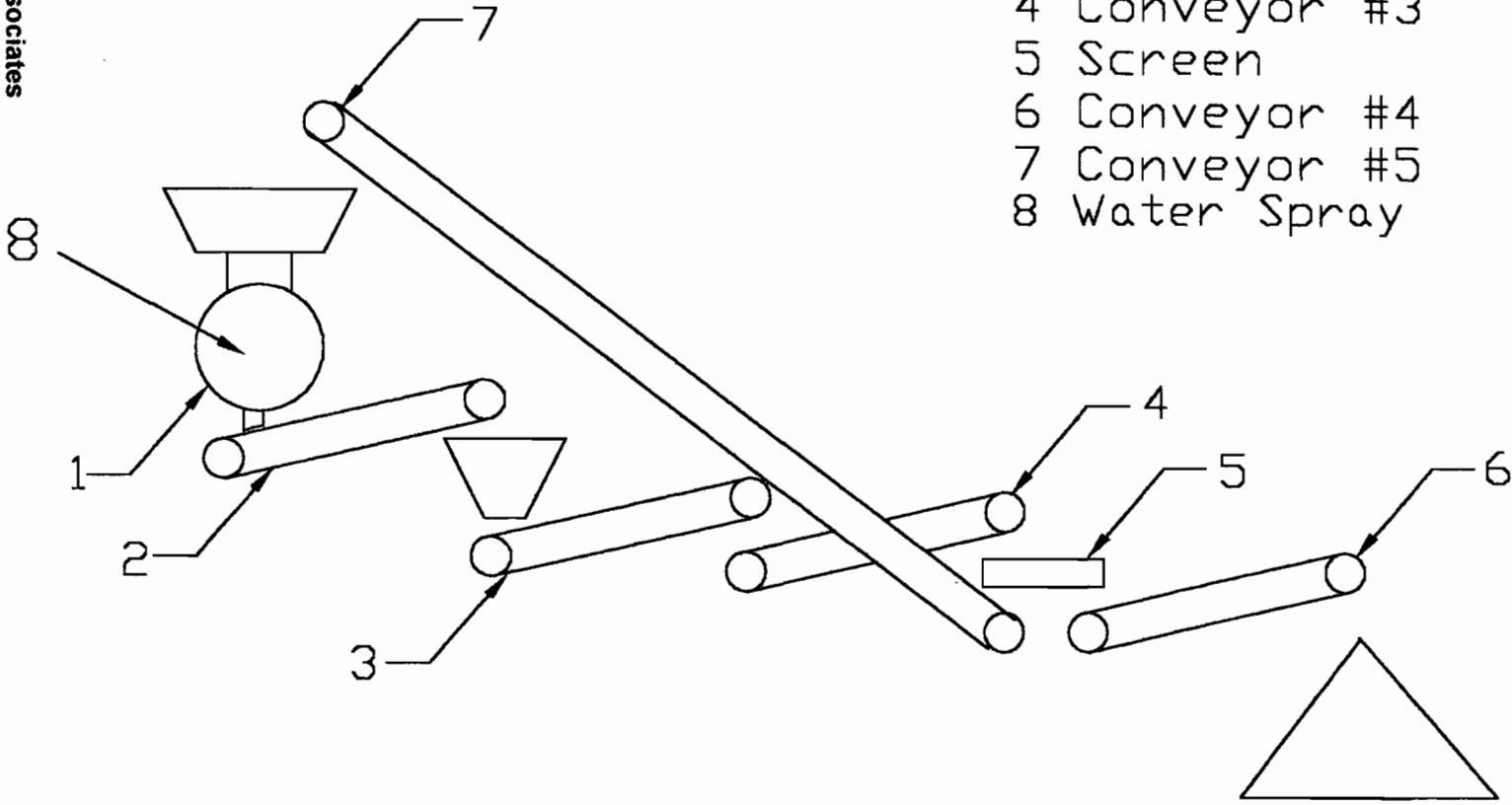
Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
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23	0	0	0	0	0
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25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity                      20%  
Maximum Observed Opacity      0%  
Maximum six minute average      0%

Crusher Contractors  
Jupiter, FL

**5.0 FLOW DIAGRAM**

- 1 Crusher
- 2 Crusher Conveyor #1
- 3 Conveyor #2
- 4 Conveyor #3
- 5 Screen
- 6 Conveyor #4
- 7 Conveyor #5
- 8 Water Spray



BROOKS & ASSOCIATES  
FLOW DIAGRAM FOR  
CRUSHER CONTRACTORS

Crusher Contractors  
Jupiter, FL

6.0 PHOTOGRAPHS



Crusher Contractors  
Jupiter, FL

CRUSHER

CONVEYOR #5

CATAPILLAR  
DIESEL

CONVEYOR #1



Crusher Contractors  
Jupiter, FL

CONVEYOR #2  
CUMMINS  
DIESEL

CONVEYOR #3  
& SCREEN



Crusher Contractors  
Jupiter, FL

CONVEYOR #4



**Broward Daily Business Review**

Published Daily except Saturday, Sunday and  
Legal Holidays  
Fort Lauderdale, Broward County, Florida.

STATE OF FLORIDA  
COUNTY OF BROWARD:

Before the undersigned authority personally appeared S. Corwin, who on oath says that she is the Office Manager of the Broward Daily Business Review t/k/a Broward Review, a newspaper published at Fort Lauderdale, in Broward County, Florida; that the attached copy of advertisement, being a Legal Advertisement of Notice in the matter of

**PUBLIC NOTICE OF INTENT TO  
ISSUE AIR CONSTRUCTION  
PERMIT: CRUSHER CONTRACTORS,  
INC.**

The XXX Court,  
published in said newspaper in the issues of  
**May 27, 1998**

Affiant further says that the said Broward Daily Business Review is a newspaper published at Fort Lauderdale, in said Broward County, Florida, and that the said newspaper has heretofore been continuously published in said Broward County, Florida, and has been entered as second class mail matter at the post office in Fort Lauderdale in said Broward County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

*S. Corwin*  
Sworn to and subscribed before me this  
27 day of MAY, A.D. 1998  
*[Signature]*  
(SEAL)  
S. Corwin personally known to me.



Juliana Howard  
MY COMMISSION # CC660207 EXPIRES  
August 24, 2001  
BONDED THRU TROY FAIN INSURANCE, INC.

**PUBLIC NOTICE OF INTENT TO ISSUE  
AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DRAFT Permit No. 7775057-001-AC  
Portable Asphalt Material Crusher**

The Department of Environmental Protection (Department) desires to issue an air construction permit to Crusher Contractors, Inc. for a diesel engine powered portable asphalt material crusher that will be operated at asphalt plants throughout Florida. The crusher is a minor source of air pollution and not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 82-212.400, F.A.C. A Best Available Control Technology determination was not required for the unit. The applicant's name and address are: Crusher Contractors, Inc., 135 Timber Lane, Jupiter, Florida 33458.

The applicant proposes to construct and operate a portable asphalt crusher powered by diesel engines at asphalt plants in counties in Florida that this notice appears in. The crusher will emit particulate matter and the products of combustion from the diesel fuel.

Maximum emissions of pollutants from this facility (crusher and 2 diesel engines) are estimated to be

Pollutant	Hourly Emissions pounds per hour	Annual Emissions tons per year
Particulate matter (PM/PM <sub>10</sub> )	5.2	4.5
Nitrogen Oxides (NO <sub>x</sub> )	4.4	10.6
Carbon Monoxide (CO)	1.0	2.4
Sulfur dioxide (SO <sub>2</sub> )	0.3	0.7
Volatile Organic Compounds (VOC)	0.4	1.0

The facility is not expected to cause or contribute to any violation of an ambient air quality standard.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed DRAFT Permit issuance actions for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2800 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32389-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in these DRAFT Permits, the Department shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The Department will issue the FINAL Permit with the conditions of the DRAFT Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. Mediation is not available for this action. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3800 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32389-3000, telephone: 850/488-9370; fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information: (a) The name, ad-

name, and telephone number of each petitioner, the applicant's name and address, the Permit File Numbers and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts of the case; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modifications of the Department's action or proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to be heard in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, Monday through Friday, except legal holidays, at:

County Department of	Dept. of Environmental Protection
<b>Environmental Resources Mgmt.</b> 33 Southeast 2nd Ave., Suite 500 Tampa, Florida 33130-1540 Telephone: 305/372-6925	<b>Southeast District</b> 3604 Coconut Palm Drive Tampa, Florida Telephone: 813/744-6100
<b>Division of Environmental Science and Engineering</b> Palm Beach County Health Unit West Palm Beach, Florida 33401 Telephone: 981/355-3070	<b>Dept. of Environmental Protection Central District</b> 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3757 Telephone: 407/241-1111
<b>Dept. of Environmental Protection Northwest District</b> Pensacola, Florida 32501-5704 Telephone: 904/433-5330	<b>Hillsborough County Environmental Protection Commission</b> 1410 North St. Petersburg, Florida 33702-5530 Telephone: 813/772-5530
<b>Dept. of Environmental Protection</b> Jacksonville, Florida 32202-4111 Telephone: 904/630-3484	<b>Alachua County Division Regulatory and Environmental</b> 101 West Union Street, Suite 412 Gainesville, Florida 32602-4111 Telephone: 904/630-3484
<b>Broward County Department of Natural Resource Protection</b> 218 Southwest 1st Avenue Fort Lauderdale, Florida 33301 Telephone: 854/519-1220	<b>Dept. of Environmental Protection South Florida District</b> 2286 Victoria Avenue, Suite 364 Fort Myers, Florida 33901 Telephone: 813/335-5511
<b>Air Quality Division Pinellas County Department of Environmental Protection</b> Clearwater, Florida 34616 Telephone: 813/466-4624	<b>Dept. of Environmental Protection</b> 4150 North Congress Avenue Clearwater, Florida 34616 Telephone: 813/466-4624



**PUBLIC NOTICE OF INTENT TO ISSUE  
AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION  
DRAFT PERMIT NO. 7775057-001-AC  
PORTABLE ASPHALT  
MATERIAL CRUSHER**

**MIAMI DAILY BUSINESS REVIEW**

Published Daily except Saturday, Sunday and  
Legal Holidays  
Miami, Dade County, Florida.

STATE OF FLORIDA  
COUNTY OF DADE:

Before the undersigned authority personally appeared Octelma V. Ferbeyre, who on oath says that she is the Supervisor, Legal Notices of the Miami Daily Business Review f/k/a Miami Review, a daily (except Saturday, Sunday and Legal Holidays) newspaper, published at Miami in Dade County, Florida; that the attached copy of advertisement, being a Legal Advertisement of Notice in the matter of

**PUBLIC NOTICE OF INTENT TO  
ISSUE AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPT. OF ENVIRONMENTAL PROTECTION  
DRAFT PERMIT NO. 7775057-001-AC**

In the .....XXXXXXX..... Court,  
as published in said newspaper in the issues of  
May 27, 1998

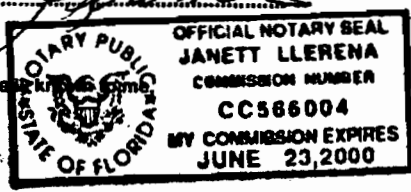
Affiant further says that the said Miami Daily Business Review is a newspaper published at Miami in said Dade County, Florida, and that the said newspaper has heretofore been continuously published in said Dade County, Florida, each day (except Saturday, Sunday and Legal Holidays) and has been entered as second class mail matter at the post office in Miami in said Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

*[Signature]*

Sworn to and subscribed before me this  
27 day of May 98  
A.D. 19

*[Signature]*

(SEAL)  
Octelma V. Ferbeyre personally



The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Crusher Contractors, Inc. for a diesel engine powered portable asphalt material crusher that will be operated at asphalt plants throughout Florida. The crusher is a minor source of air pollution and not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62B13-400, F.A.C. A Best Available Control Technology determination was not required for the unit. The applicant's name and address are: Crusher Contractors, Inc., 135 Timber Lane, Jupiter, Florida 33458.

The applicant proposes to construct and operate a portable asphalt crusher powered by diesel engines at asphalt plants in counties in Florida that this notice appears in. The crusher will emit particulate matter and the products of combustion from the diesel fuel.

Maximum emissions of pollutants from this facility (crusher and 2 diesel engines) are estimated to be

POLLUTANT	DAILY EMISSIONS pounds per hour	ANNUAL EMISSIONS tons per year
Particulate matter (PM/PM <sub>10</sub> )	5.2	4.5
Nitrogen Oxides (NO <sub>x</sub> )	4.4	10.8
Carbon Monoxide (CO)	1.0	2.4
Sulfur dioxide (SO <sub>2</sub> )	0.3	0.7
Volatile Organic Compounds (VOC)	0.4	1.0

The facility is not expected to cause or contribute to any violation of an ambient air quality standard.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed DRAFT Permit issuance actions for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2800 Blair Stone Road, Mail Station #6605, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in these DRAFT Permit, the Department shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The Department will issue the FINAL Permit with the conditions of the DRAFT Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. Mediation is not available for this action. The procedures for petitioning for a hearing are set forth below:

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of this Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-6370; fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-6.207 of the Florida Administrative Code.

A petition must contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Numbers and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modifications of the Department's action or proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it at this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dade County Department of  
Environmental Resources Mgmt.  
33 Southwest 2nd Ave., Suite 800  
Miami, Florida 33130-1540  
Telephone: 305/372-8325

Dept. of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida  
Telephone: 813/744-8100

Division of Environmental Science  
and Engineering  
Palm Beach County Health Unit  
901 Evernia Street  
West Palm Beach, Florida 33401  
Telephone: 561/355-3070

Dept. of Environmental Protection  
Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32809-5767  
Telephone: 407/884-7556

Dept. of Environmental Protection  
Northwest District  
160 Government Center, Suite 308  
Pensacola, Florida 32501-5784  
Telephone: 904/444-8308

Hillsborough County Environmental  
Protection Commission  
1410 North 21 Street  
Tampa, Florida 33605  
Telephone: 813/272-5530

Dept. of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 2008  
Jacksonville, Florida 32258  
Telephone: 904/448-4300

Air and Water Quality Division  
Regulatory and Environmental  
Services Department  
421 West Church Street, Suite 412  
Jacksonville, Florida 32202-4111  
Telephone: 904/830-3484

Broward County Department of  
Natural Resource Protection  
218 Southwest 1st Avenue  
Fort Lauderdale, Florida 33301  
Telephone: 954/518-1220

Dept. of Environmental Protection  
South Florida District  
2295 Victoria Avenue, Suite 304  
Fort Myers, Florida 33901  
Telephone: 813/332-8875

Air Quality Division  
Pinellas County Department of  
Environmental Management  
300 South Garden Avenue  
Clearwater, Florida 34816  
Telephone: 813/484-4422

Dept. of Environmental Protection  
Southeast District  
400 North Congress Avenue  
West Palm Beach, Florida 33416-5425  
Telephone: 561/681-6800

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-1344, for additional information.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF ADMINISTRATIVE PERMIT CORRECTION**

In the Matter of an Application for Administrative Permit Correction:

Mr. Brian P. Smith, Vice President  
Crusher Contractors Co.  
135 Timber Lane  
Jupiter, FL 33458

DEP File No.: 7775057-002-AO  
Portable Asphalt Crushing Plant

The Department has determined that minor corrections to information contained in Permit Number 7775057-002-AO are required. This correction restores a condition from the construction permit (number 7775057-001-AC) that requires the crusher system be tested for compliance with the visible emissions limitation annually. This Administrative Permit Correction was processed pursuant to Rule 62-210.360, F.A.C. The correction is:

Section III. Emissions Units Specific Conditions, page 11 of 15, shall read:

11.a. Visible Emissions Test Duration - Other Sources: For the purposes of determining compliance with the VE standards of specific condition numbers 5, 6 and 7 of Section III of this permit, the minimum duration of VE testing shall be a minimum of 30 minutes in duration, except as provided in specific condition 10 of Section III of this permit, above. If required by the district or appropriate local program, testing of the diesel engines shall be for a minimum of 30 minutes in duration. [62-297.319(4)(a)2., F.A.C. & 7775057-001-AC]

11.b. Visible Emissions Test Frequency - Crusher System: Compliance with the allowable emission limiting standards for the crusher system shall be determined annually. [7775057-001-AC]

This permit correction corrects and is a part of Permit Number 7775057-002-AO. This permit correction is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit correction) has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.



C. H. Fancy, P.E., Chief  
Bureau of Air Regulation

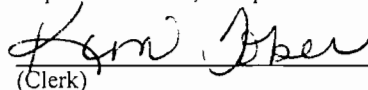
**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF ADMINISTRATIVE PERMIT CORRECTION was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 11-16-98 to the person(s) listed:

Mr. Brian P. Smith Crusher Contractors Co. \*  
Mr. Eugene D. Schaltenbrand, P.E., Brooks & Associates

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

  
(Clerk)

11-16-98  
(Date)



Fold at line over top of envelope to

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
 Brian P. Smith, VP  
 Crushers Contractors  
 135 Timber Lane  
 Jupiter, FL 33458

4a. Article Number  
 2 333 612 581

4b. Service Type  
 Registered  Certified  
 Express Mail  Insured  
 Return Receipt for Merchandise  COD

7. Date of Delivery  
 11/16/98

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X *Brian P. Smith*

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

Z 333 612 581

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Sent to <i>Brian Smith</i>	
Street & Number <i>Crushers Contractors</i>	
Post Office, State, & ZIP Code <i>Jupiter FL</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	<i>11-16-98</i>
<i>7775057-002-AD</i>	

PS Form 3800, April 1995

RECEIVED

JUL 05 1998

BUREAU OF AIR REGULATION

MIAMI DAILY BUSINESS REVIEW

Published Daily except Saturday, Sunday and Legal Holidays  
Miami, Dade County, Florida.

STATE OF FLORIDA  
COUNTY OF DADE:

Before the undersigned authority personally appeared Octelma V. Ferbeyre, who on oath says that she is the Supervisor, Legal Notices of the Miami Daily Business Review t/k/a Miami Review, a daily (except Saturday, Sunday and Legal Holidays) newspaper, published at Miami in Dade County, Florida; that the attached copy of advertisement, being a Legal Advertisement of Notice in the matter of

PUBLIC NOTICE OF INTENT TO  
ISSUE AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPT. OF ENVIRONMENTAL PROTECTION  
DRAFT PERMIT NO. 7775057-001-AC

in the .....XXXXXXX..... Court,  
was published in said newspaper in the issues of  
May 27, 1998

Affiant further says that the said Miami Daily Business Review is a newspaper published at Miami in said Dade County, Florida, and that the said newspaper has heretofore been continuously published in said Dade County, Florida, each day (except Saturday, Sunday and Legal Holidays) and has been entered as second class mail matter at the post office in Miami in said Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

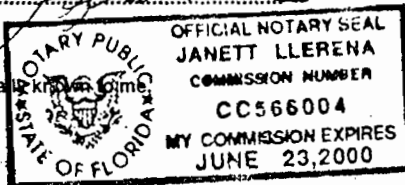
*[Signature]*

Signed to and subscribed before me this  
27 May 98  
day of ..... A.D. 19.....

*[Signature]*

(SEAL)

Octelma V. Ferbeyre personally known to me



PUBLIC NOTICE OF INTENT TO ISSUE  
AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION  
DRAFT PERMIT NO. 7775057-001-AC  
PORTABLE ASPHALT  
MATERIAL CRUSHER

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Crusher Contractors, Inc. for a diesel engine powered portable asphalt material crusher that will be operated at asphalt plants throughout Florida. The crusher is a minor source of air pollution and not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62-212.400, F.A.C. A Best Available Control Technology determination was not required for the unit. The applicant's name and address are: Crusher Contractors, Inc., 135 Timber Lane, Jupiter, Florida 33458.

The applicant proposes to construct and operate a portable asphalt crusher powered by diesel engines at asphalt plants in counties in Florida that this notice appears in. The crusher will emit particulate matter and the products of combustion from the diesel fuel.

Maximum emissions of pollutants from this facility (crusher and 2 diesel engines) are estimated to be

POLLUTANT	HOURLY EMISSIONS pounds per hour	ANNUAL EMISSIONS tons per year
Particulate matter(PM/PM <sub>10</sub> )	5.2	4.5
Nitrogen Oxides (NO <sub>x</sub> )	4.4	10.6
Carbon Monoxide (CO)	1.0	2.4
Sulfur dioxide (SO <sub>2</sub> )	0.3	0.7
Volatile Organic Compounds (VOC)	0.4	1.0

The facility is not expected to cause or contribute to any violation of an ambient air quality standard.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed DRAFT Permit issuance actions for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in these DRAT Permit, the Department shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The Department will issue the FINAL Permit with the conditions of the DRAFT Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. Mediation is not available for this action. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-9370; fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Numbers and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modifications of the Department's action or proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dade County Department of  
Environmental Resources Mgmt.  
33 Southwest 2nd Ave., Suite 900  
Miami, Florida 33130-1540  
Telephone: 305/372-6925

Dept. of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida  
Telephone: 813/744-6100

Division of Environmental Science  
and Engineering  
Palm Beach County Health Unit  
901 Evernia Street  
West Palm Beach, Florida 33401  
Telephone: 561/355-3070

Dept. of Environmental Protection  
Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767  
Telephone: 407/984-7555

Dept. of Environmental Protection  
Northwest District  
160 Government Center, Suite 308  
Pensacola, Florida 32501-5794  
Telephone: 904/444-8300

Hillsborough County Environmental  
Protection Commission  
1410 North 21 Street  
Tampa, Florida 33605  
Telephone: 813/272-5530

Dept. of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256  
Telephone: 904/448-4300

Air and Water Quality Division  
Regulatory and Environmental  
Services Department  
421 West Church Street, Suite 412  
Jacksonville, Florida 32202-4111  
Telephone: 904/630-3484

Broward County Department of  
Natural Resource Protection  
218 Southwest 1st Avenue  
Fort Lauderdale, Florida 33301  
Telephone: 954/519-1220

Dept. of Environmental Protection  
South Florida District  
2295 Victoria Avenue, Suite 364  
Fort Myers, Florida 33901  
Telephone: 813/332-6975

Air Quality Division  
Pinellas County Department of  
Environmental Management  
300 South Garden Avenue  
Clearwater, Florida 34616  
Telephone: 813/464-4422

Dept. of Environmental Protection  
Southeast District  
400 North Congress Avenue  
West Palm Beach, Florida 33416-5425  
Telephone: 561/681-6600

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-1344, for additional information.

**Broward Daily Business Review**

Published Daily except Saturday, Sunday and  
Legal Holidays  
Fort Lauderdale, Broward County, Florida.

STATE OF FLORIDA  
COUNTY OF BROWARD:

Before the undersigned authority personally appeared S. Corwin, who on oath says that she is the Office Manager of the Broward Daily Business Review I/k/a Broward Review, a newspaper published at Fort Lauderdale, in Broward County, Florida; that the attached copy of advertisement, being a Legal Advertisement of Notice in the matter of

**PUBLIC NOTICE OF INTENT TO  
ISSUE AIR CONSTRUCTION  
PERMIT: CRUSHER CONTRACTORS,  
INC.**

in the XXX Court,  
was published in said newspaper in the issues of

May 27, 1998

Affiant further says that the said Broward Daily Business Review is a newspaper published at Fort Lauderdale, in said Broward County, Florida, and that the said newspaper has heretofore been continuously published in said Broward County, Florida, and has been entered as second class mail matter at the post office in Fort Lauderdale in said Broward County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

*S. Corwin*  
Sworn to and subscribed before me this  
27 day of MAY A.D. 1998  
*[Signature]*  
(SEAL)  
S. Corwin personally known to me.

Juliana Howard  
MY COMMISSION # CC660207 EXPIRES  
August 24, 2001  
BONDED THRU TROY FAIN INSURANCE, INC.

**PUBLIC NOTICE OF INTENT TO ISSUE  
AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA**

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DRAFT Permit No. 7775057-001-AC  
Portable Asphalt Material Crusher

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Crusher Contractors, Inc. for a diesel engine powered portable asphalt material crusher that will be operated at asphalt plants throughout Florida. The crusher is a minor source of air pollution and not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62-212.400, F.A.C. A Best Available Control Technology determination was not required for the unit. The applicant's name and address are: Crusher Contractors, Inc., 135 Timber Lane, Jupiter, Florida 33458.

The applicant proposes to construct and operate a portable asphalt crusher powered by diesel engines at asphalt plants in counties in Florida that this notice appears in. The crusher will emit particulate matter and the products of combustion from the diesel fuel.

Maximum emissions of pollutants from this facility (crusher and 2 diesel engines) are estimated to be

Pollutant	Hourly Emissions pounds per hour	Annual Emissions tons per year
Particulate matter(PM/PM <sub>10</sub> )	5.2	4.5
Nitrogen Oxides (NO <sub>x</sub> )	4.4	10.6
Carbon Monoxide (CO)	1.0	2.4
Sulfur dioxide (SO <sub>2</sub> )	0.3	0.7
Volatile Organic Compounds (VOC)	0.4	1.0

The facility is not expected to cause or contribute to any violation of an ambient air quality standard.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed DRAFT Permit issuance actions for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in these DRAFT Permits, the Department shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The Department will issue the FINAL Permit with the conditions of the DRAFT Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. Mediation is not available for this action. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-9370; fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information: (a) The name, ad-

dress, and telephone number of each petitioner, the applicant's name and address, the Permit File Numbers and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modifications of the Department's action or proposed action.

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A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

- |  |   |
|--|---|
| Dade County Department of<br>Environmental Resources Mgmt.<br>33 Southwest 2nd Ave., Suite 900<br>Miami, Florida 33130-1540<br>Telephone: 305/372-6925                   | Dept. of Environmental Protection<br>Southwest District<br>3804 Coconut Palm Drive<br>Tampa, Florida<br>Telephone: 813/744-6100   |
| Division of Environmental Science<br>and Engineering<br>Palm Beach County Health Unit<br>901 Evernia Street<br>West Palm Beach, Florida 33401<br>Telephone: 561/355-3070 | Dept. of Environmental Protection<br>Central District<br>3319 Maguire Boulevard, Suite 232<br>Orlando, Florida 32803-3767<br>Telephone: 407/984-7555                                      |
| Dept. of Environmental Protection<br>Northwest District<br>160 Government Center, Suite 308<br>Pensacola, Florida 32501-5794<br>Telephone: 904/444-8300                  | Hillsborough County Environmental<br>Protection Commission<br>1410 North 21 Street<br>Tampa, Florida 33605<br>Telephone: 813/272-5530   |
| Dept. of Environmental Protection<br>Northeast District<br>7825 Baymeadows Way, Suite 200B<br>Jacksonville, Florida 32258<br>Telephone: 904/448-4300                     | Air and Water Quality Division<br>Regulatory and Environmental<br>Services Department<br>421 West Church Street, Suite 412<br>Jacksonville, Florida 32202-4111<br>Telephone: 904/630-3484 |
| Broward County Department of<br>Natural Resource Protection<br>218 Southwest 1st Avenue<br>Fort Lauderdale, Florida 33301<br>Telephone: 954/519-1220                     | Dept. of Environmental Protection<br>South Florida District<br>2295 Victoria Avenue, Suite 364<br>Fort Myers, Florida 33901<br>Telephone: 813/332-6975                                    |
| Air Quality Division<br>Pinellas County Department of<br>Environmental Management<br>300 South Garden Avenue<br>Clearwater, Florida 34616<br>Telephone: 813/464-4422     | Dept. of Environmental Protection<br>Southeast District<br>400 North Congress Avenue<br>West Palm Beach, Florida 33416-5425<br>Telephone: 561/881-6600                                    |

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-1344, for additional information.

5/27 898-4-052707

## Broward Daily Business Review

Published Daily except Saturday, Sunday and  
Legal Holidays  
Fort Lauderdale, Broward County, Florida.

STATE OF FLORIDA  
COUNTY OF BROWARD:

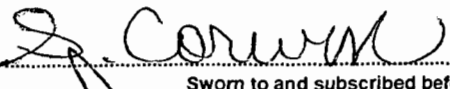
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### PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT: CRUSHER CONTRACTORS, INC.

In the XXX Court,  
was published in said newspaper in the issues of

May 27, 1998

Affiant further says that the said Broward Daily Business Review is a newspaper published at Fort Lauderdale, in said Broward County, Florida, and that the said newspaper has heretofore been continuously published in said Broward County, Florida, and has been entered as second class mail matter at the post office in Fort Lauderdale in said Broward County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

  
Sworn to and subscribed before me this

27 day of MAY, A.D. 1998

(SEAL)

S. Corwin personally known to me.



Juliana Howard  
MY COMMISSION # CC660207 EXPIRES  
August 24, 2001  
BONDED THRU TROY FAIN INSURANCE, INC.

### PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DRAFT Permit No. 7775057-001-AC  
Portable Asphalt Material Crusher

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Pollutant	Hourly Emissions pounds per hour	Annual Emissions tons per year
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The facility is not expected to cause or contribute to any violation of an ambient air quality standard.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

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The Department will issue the FINAL Permit with the conditions of the DRAFT Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. Mediation is not available for this action. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-9370; fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code. A petition must contain the following information: (a) The name, ad-

dress, and telephone number of each petitioner, the applicant's name and address, the Permit File Numbers and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modifications of the Department's action or proposed action.

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Dade County Department of	Dept. of Environmental Protection
Environmental Resources Mgmt. 33 Southwest 2nd Ave., Suite 900 Miami, Florida 33130-1540 Telephone: 305/372-6925	Southwest District 3804 Coconut Palm Drive Tampa, Florida Telephone: 813/744-6100
Division of Environmental Science and Engineering Palm Beach County Health Unit 901 Evernia Street West Palm Beach, Florida 33401 Telephone: 561/355-3070	Dept. of Environmental Protection Central District 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3767 Telephone: 407/984-7555
Dept. of Environmental Protection Northwest District 160 Government Center, Suite 308 Pensacola, Florida 32501-5794 Telephone: 904/444-8300	Hillsborough County Environmental Protection Commission 1410 North 21 Street Tampa, Florida 33605 Telephone: 813/272-5530
Dept. of Environmental Protection Northeast District 7825 Baymeadows Way, Suite 200B Jacksonville, Florida 32256 Telephone: 904/448-4300	Air and Water Quality Division Regulatory and Environmental Services Department 421 West Church Street, Suite 412 Jacksonville, Florida 32202-4111 Telephone: 904/630-3484
Broward County Department of Natural Resource Protection 218 Southwest 1st Avenue Fort Lauderdale, Florida 33301 Telephone: 954/519-1220	Dept. of Environmental Protection South Florida District 2295 Victoria Avenue, Suite 364 Fort Myers, Florida 33901 Telephone: 813/332-6975
Air Quality Division Pinellas County Department of Environmental Management 300 South Garden Avenue Clearwater, Florida 34616 Telephone: 813/464-4422	Dept. of Environmental Protection Southeast District 400 North Congress Avenue West Palm Beach, Florida 33416-5425 Telephone: 561/681-6600

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-1344, for additional information.  
5/27 B98-4-052797

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JUL 06 1998

BUREAU OF  
AIR REGULATION

**MIAMI DAILY BUSINESS REVIEW**

Published Daily except Saturday, Sunday and  
Legal Holidays  
Miami, Dade County, Florida.

STATE OF FLORIDA  
COUNTY OF DADE:

Before the undersigned authority personally appeared Octelma V. Ferbeyre, who on oath says that she is the Supervisor, Legal Notices of the Miami Daily Business Review f/k/a Miami Review, a daily (except Saturday, Sunday and Legal Holidays) newspaper, published at Miami in Dade County, Florida; that the attached copy of advertisement, being a Legal Advertisement of Notice in the matter of

**PUBLIC NOTICE OF INTENT TO  
ISSUE AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPT. OF ENVIRONMENTAL PROTECTION  
DRAFT PERMIT NO. 7775057-001-AC**

in the .....XXXXXXXX..... Court,  
was published in said newspaper in the issues of  
May 27, 1998

Affiant further says that the said Miami Daily Business Review is a newspaper published at Miami in said Dade County, Florida, and that the said newspaper has heretofore been continuously published in said Dade County, Florida, each day (except Saturday, Sunday and Legal Holidays) and has been entered as second class mail matter at the post office in Miami in said Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

*[Signature]*  
Sworn to and subscribed before me this  
27 May 98  
day of ..... A.D. 19  
*[Signature]*

(SEAL)  
Octelma V. Ferbeyre personally known to me  
**OFFICIAL NOTARY SEAL  
JANETT LLERENA  
COMMISSION NUMBER  
CC566004  
MY COMMISSION EXPIRES  
JUNE 23, 2000**

**PUBLIC NOTICE OF INTENT TO ISSUE  
AIR CONSTRUCTION PERMIT  
STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION  
DRAFT PERMIT NO. 7775057-001-AC  
PORTABLE ASPHALT  
MATERIAL CRUSHER**

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Crusher Contractors, Inc. for a diesel engine powered portable asphalt material crusher that will be operated at asphalt plants throughout Florida. The crusher is a minor source of air pollution and not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62-212.400, F.A.C. A Best Available Control Technology determination was not required for the unit. The applicant's name and address are: Crusher Contractors, Inc., 135 Timber Lane, Jupiter, Florida 33458.

The applicant proposes to construct and operate a portable asphalt crusher powered by diesel engines at asphalt plants in counties in Florida that this notice appears in. The crusher will emit particulate matter and the products of combustion from the diesel fuel.

Maximum emissions of pollutants from this facility (crusher and 2 diesel engines) are estimated to be

POLLUTANT	HOURLY EMISSIONS pounds per hour	ANNUAL EMISSIONS tons per year
Particulate matter (PM/PM <sub>10</sub> )	5.2	4.5
Nitrogen Oxides (NO <sub>x</sub> )	4.4	10.6
Carbon Monoxide (CO)	1.0	2.4
Sulfur dioxide (SO <sub>2</sub> )	0.3	0.7
Volatile Organic Compounds (VOC)	0.4	1.0

The facility is not expected to cause or contribute to any violation of an ambient air quality standard.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed DRAFT Permit issuance actions for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in these DRAT Permit, the Department shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The Department will issue the FINAL Permit with the conditions of the DRAFT Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. Mediation is not available for this action. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-9370; fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.



A petition must contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Numbers and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modifications of the Department's action or proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dade County Department of  
Environmental Resources Mgmt.  
33 Southwest 2nd Ave., Suite 900  
Miami, Florida 33130-1540  
Telephone: 305/372-6925

Dept. of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida  
Telephone: 813/744-6100

Division of Environmental Science  
and Engineering  
Palm Beach County Health Unit  
901 Evernia Street  
West Palm Beach, Florida 33401  
Telephone: 561/355-3070

Dept. of Environmental Protection  
Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767  
Telephone: 407/984-7555

Dept. of Environmental Protection  
Northwest District  
160 Government Center, Suite 308  
Pensacola, Florida 32501-5794  
Telephone: 904/444-8300

Hillsborough County Environmental  
Protection Commission  
1410 North 21 Street  
Tampa, Florida 33605  
Telephone: 813/272-5530

Dept. of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256  
Telephone: 904/448-4300

Air and Water Quality Division  
Regulatory and Environmental  
Services Department  
421 West Church Street, Suite 412  
Jacksonville, Florida 32202-4111  
Telephone: 904/630-3484

Broward County Department of  
Natural Resource Protection  
218 Southwest 1st Avenue  
Fort Lauderdale, Florida 33301  
Telephone: 954/519-1220

Dept. of Environmental Protection  
South Florida District  
2295 Victoria Avenue, Suite 364  
Fort Myers, Florida 33901  
Telephone: 813/332-6975

Air Quality Division  
Pinellas County Department of  
Environmental Management  
300 South Garden Avenue  
Clearwater, Florida 34616  
Telephone: 813/464-4422

Dept. of Environmental Protection  
Southeast District  
400 North Congress Avenue  
West Palm Beach, Florida 33416-5425  
Telephone: 561/681-6600

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-1344, for additional information.

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APR 12 2001

BUREAU OF AIR REGULATION

**VISIBLE EMISSIONS TEST REPORT**

**PREPARED FOR:**

**Crusher Contractors**

**135 Timber Lane**

**Jupiter, FL 33458**

**TEST SITE:**

**Community Asphalt**

**7795 Hooper Road**

**West Palm Beach, FL**

**I hereby certify that the information contained in this report is true to the best of my knowledge.**

  
Eugene D Schaltenbrand, PE

2 Apr 01  
Date



## **TABLE OF CONTENTS**

- 1.0 Summary
- 2.0 Description of Sampling Locations
- 3.0 Visible Emissions Field Data Sheets
- 4.0 Computer Input Sheets
- 5.0 Flow Diagram
- 6.0 Location Photographs

## **1.0 SUMMARY**

Brooks & Associates conducted a visible emissions tests on 2 April 2001 at Crusher Contractors job site located on Community Asphalt property at 7795 Hooper Road West Palm Beach, FL.

The tests were conducted in strict accordance with the Environmental Protection Agency's Method 9 as described in 40CFR60 Appendix A, as amended and modified by Florida State Code. These tests were conducted to ~~comply with the~~ conditions set forth in Crusher Contractors operating permit, 7775057-002-AO, by the Florida Department of Environmental Protection, and to determine compliance with Chapter 62-296 and 62-297 of the Florida Administrative Code.

The Kemco Dynabreaker portable crusher was operating at its maximum capacity of two hundred (200) tons per hour during the tests on 2 April 2001. All eight emission points observed had average opacities of 0% for the test.

Eugene Schaltenbrand was the Certified Emissions Evaluator. Eugene Schaltenbrand was responsible for the overall testing program and preparation of this report. Eugene Schaltenbrand coordinated the test with Palm Beach County Health Dept. PBCHD was represented by Mr. David Brown. Mr. Scott Boeglin represented Crusher Contractors.

## **2.0 DESCRIPTION OF SAMPLING LOCATIONS**

The Kemco Dynabreaker portable crusher operated by Crusher Contractors consists of four distinct sections. The first section includes the large diesel engine (Emission Unit #2), the crusher itself (#1 on the flow diagram) and a short crusher conveyor (#2 on the flow diagram). The second section includes the small diesel engine (Emission Unit #3), conveyors #2 & #3, and the screen. Because of their proximity conveyor #3 and the screen were tested as one point. The third section is conveyor #4 and the fourth section is conveyor #5.

The photographs in Section 6.0 of this report were taken from the Observer's Position on 2 April 2001

**Crusher Contractors  
Jupiter, FL**

**3.0 VISIBLE EMISSIONS OBSERVATIONS FORMS- FIELD  
DATA**

**Brooks & Associates  
5068 NW 85<sup>th</sup> Rd.  
Coral Springs, FL 33067**

**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 Method 9 203A 203B Other \_\_\_\_\_

Company Name \_\_\_\_\_  
 Facility Name **Crusher Contractors**  
 Street Address **Community Asphalt**  
**7795 Hooper Road**  
 City **West Palm Beach, FL 33411-3830**

Process CRUSHER Unit # 1 Operating Mode DESIGN  
 Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_  
 Name \_\_\_\_\_

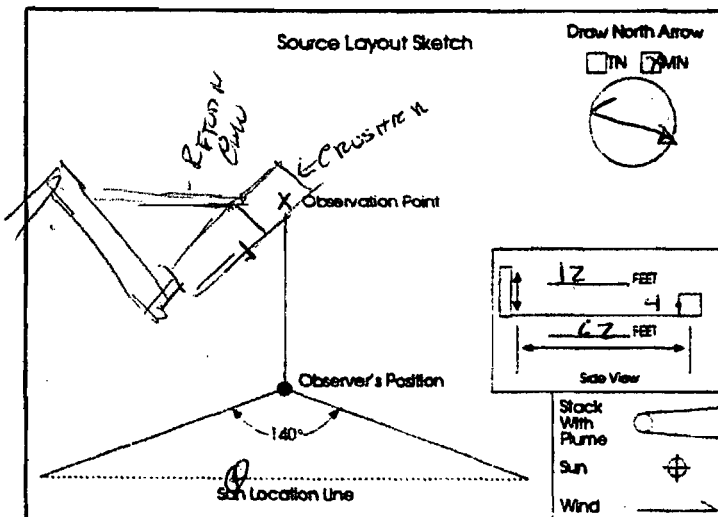
Describe Emission Point  
ONLY CRUSHER ON MACHINE

Height of Emis. Pt. Start 12' End 12' Height of Emis. Pt. Rel. to Observer Start 8' End 8'  
 Distance to Emis. Pt. Start 62' End 62' Direction to Emis. Pt. (Degrees) Start 260 End 260

Vertical Angle to Obs. Pt. Start \_\_\_\_\_ End \_\_\_\_\_ Direction to Obs. Pt. (Degrees) Start 260 End 260  
 Distance and Direction to Observation Point from Emission Point Start 40 End 40

Describe Emissions  
 Start Clear/None End Clear/None  
 Emission Color \_\_\_\_\_ Water Droplet Plume \_\_\_\_\_  
 Attached  Detached  None

Describe Plume Background  
 Start SKY End SKY  
 Background Color Start Blue End Blue Sky Conditions Start 0 End 0  
 Wind Speed Start 3-5 End 3-5 Wind Direction Start N End N  
 Ambient Temp. Start 70 End 71 Wet Bulb Temp. 66 RH Percent 80



Longitude 80° 10.291' Latitude 26° 41.022' Declination \_\_\_\_\_

Additional Information  
Production Rate 200 tph

Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Min	Time Zone				Start Time	End Time	Comments
	Sec	0	15	30			
					<u>0933</u>	<u>1005</u>	
1	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
2	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
3	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
4	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
5	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
6	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
7	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
8	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
9	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
10	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
11	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
12	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
13	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
14	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
15	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
16	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
17	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
18	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
19	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
20	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
21	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
22	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
23	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
24	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
25	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
26	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
27	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
28	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
29	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			
30	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			

Observer's Name (Print) Eugene D. Schaltenbrand  
 Observer's Signature \_\_\_\_\_ Date 2 April  
 Organization Brooks & Associates  
 Certified By ETA Date \_\_\_\_\_

**Brooks & Associates, Inc.**  
**Engineering and Environmental Consulting**

**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 (Method 5) 203A 203B Other: \_\_\_\_\_

Company Name  
**Crusher Contractors**  
 Facility Name  
**Community Asphalt**  
 Street Address  
**7795 Hooper Road**  
 City  
**West Palm Beach, FL 33411-3830**

Process  
*Crusher #1* Unit # *1* Operating Mode  
*200 tph*  
 Control Equipment Operating Mode

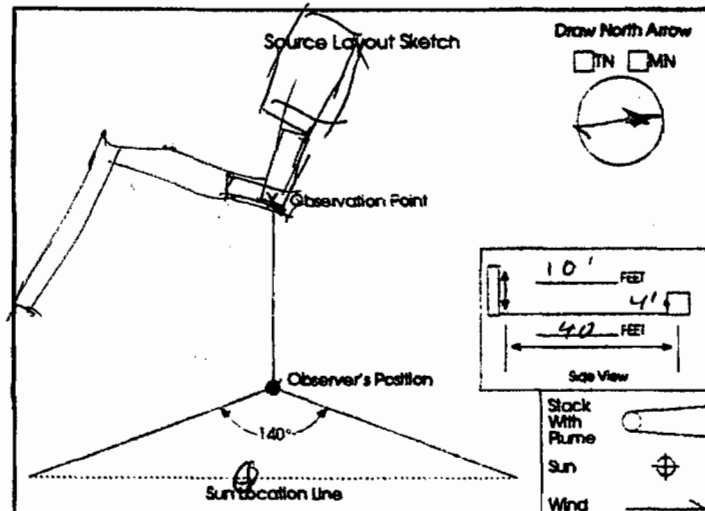
Describe Emission Point  
*Main Conveyor from under  
 Crusher*

Height of Emiss. Pt.  
 Start *10'* End \_\_\_\_\_ Height of Emiss. Pt. Rel. to Observer  
 Start *6'* End \_\_\_\_\_  
 Distance to Emiss. Pt.  
 Start *40'* End \_\_\_\_\_ Direction to Emiss. Pt. (Degree)  
 Start *250°* End \_\_\_\_\_

Vertical Angle to Obs. Pt.  
 Start \_\_\_\_\_ End \_\_\_\_\_ Direction to Obs. Pt. (Degree)  
 Start *250°* End \_\_\_\_\_  
 Distance and Direction to Observation Point from Emission Point  
 Start *0/0* End *0/0*

Describe Emissions  
 Start *Clear/None* End *Clear/None*  
 Emission Color Water Droplet Plume  
 Start \_\_\_\_\_ End \_\_\_\_\_ Attached  Detached  None

Describe Plume Background  
 Start *SKY* End *SKY*  
 Background Color Sky Conditions  
 Start *Blue* End *Blue* Start *0* End *0*  
 Wind Speed Wind Direction  
 Start *3-5* End *5-7* Start *N* End *N*  
 Ambient Temp. Wet Bulb Temp. RH Percent  
 Start *71* End \_\_\_\_\_ Start *66* \_\_\_\_\_



Longitude *80° 10.285'* Latitude *26° 41.05'* Declination

Additional Information

Form Number \_\_\_\_\_ Page *01*  
 Continued on VEO Form Number \_\_\_\_\_

Observation Date		Time Zone		Start Time	End Time	Comments
<i>2 Apr 01</i>		<i>EDT</i>		<i>10:10</i>	<i>10:58</i>	
Sec	0	15	30	45		
Min	0	15	30	45		
1	0	0	0	0		
2	0	0	0	0		
3	0	0	0	0		
4	0	0	0	0		
5	0	0	0	0		
6	0	0	0	0		
7	0	0	0	0		
8	0	0	0	0		
9	0	0	0	0		
10	0	0	0	0		
11	0	0	0	0		
12	0	0	0	0		
13	0	0	0	0	<i>Shut down to</i>	
14	0	0	0	0	<i>move pile</i>	
15	0	0	0	0		
16	0	0	0	0		
17	0	0	0	0		
18	0	0	0	0		
19	0	0	0	0		
20	0	0	0	0		
21	0	0	0	0		
22	0	0	0	0		
23	0	0	0	0		
24	0	0	0	0		
25	0	0	0	0		
26	0	0	0	0		
27	0	0	0	0		
28	0	0	0	0		
29	0	0	0	0		
30	0	0	0	0		

Observer's Name (Print) *Eugene D. Schaltenbrand*  
 Observer's Signature \_\_\_\_\_ Date *2 Apr 01*  
 Organization *Brooks & Associates*  
 Certified By *ETA* Date *Apr 01*

**Brooks & Associates, Inc.**  
Engineering and Environmental Consulting

**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 Method 9    203A    203B    Other: \_\_\_\_\_

Company Name  
**Crusher Contractors**  
 Facility Name  
**Community Asphalt**  
 Street Address  
**7795 Hooper Road**  
 City  
**West Palm Beach, FL 33411-3830**

Process  
*Emulsion*    Unit # *2*    Operating Mode  
*DCS*  
 Control Equipment  
*Name*    Operating Mode

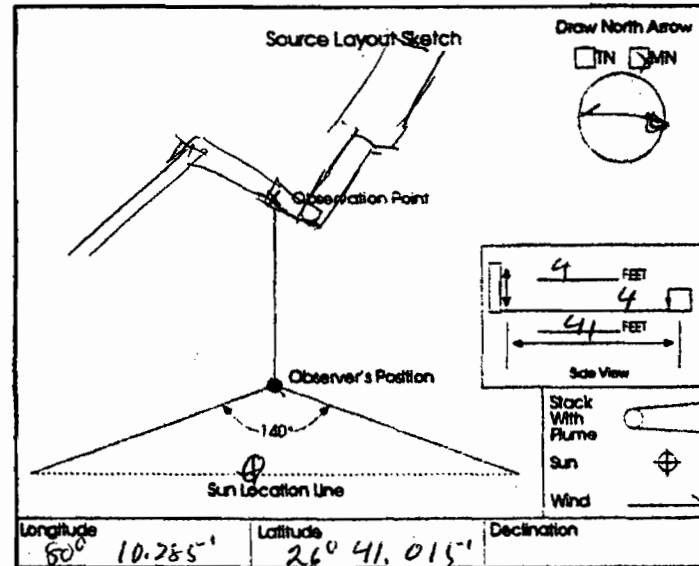
Describe Emission Point  
*Second Emulsion Gun Crusher*

Height of Emis. Pt.  
 Start *4'*    End *4'*    Height of Emis. Pt. Rel. to Observer  
 Start *0'*    End *0'*  
 Distance to Emis. Pt.  
 Start *41*    End *41*    Direction to Emis. Pt. (Degrees)  
 Start *275*    End *275*

Vertical Angle to Obs. Pt.  
 Start \_\_\_\_\_    End \_\_\_\_\_    Direction to Obs. Pt. (Degrees)  
 Start *275*    End *275*  
 Distance and Direction to Observation Point from Emission Point  
 Start *0/0*    End *0/0*

Describe Emissions  
 Start *Clear/None*    End *Clear/None*  
 Emission Color  
 Water Droplet Plume  
 Start \_\_\_\_\_    End \_\_\_\_\_    Attached     Detached     None

Describe Plume Background  
 Start *Scrap Pile*    End *Scrap Pile*  
 Background Color  
 Start *Brown*    End *Brown*    Sky Conditions  
 Start *0*    End *0*  
 Wind Speed  
 Start *3-5*    End *5-7*    Wind Direction  
 Start *N*    End *N*  
 Ambient Temp.  
 Start *71*    End \_\_\_\_\_    Wet Bulb Temp.  
 Start \_\_\_\_\_    End *66*    RH Percent



Additional Information  
*200 tph production Rate*

Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
	2 Apr 07				10:10	10:58	
1	0	0	0	0			
2	0	0	0	0			
3	0	0	0	0			
4	0	0	0	0			
5	0	0	0	0			
6	0	0	0	0			
7	0	0	0	0			
8	0	0	0	0			
9	0	0	0	0			
10	0	0	0	0			
11	0	0	0	0			
12	0	0	0	0			
13	0	0	0	0			
14	0	0	0	0			shut down
15	0	0	0	0			to move pile
16	0	0	0	0			
17	0	0	0	0			
18	0	0	0	0			
19	0	0	0	0			
20	0	0	0	0			
21	0	0	0	0			
22	0	0	0	0			
23	0	0	0	0			
24	0	0	0	0			
25	0	0	0	0			
26	0	0	0	0			
27	0	0	0	0			
28	0	0	0	0			
29	0	0	0	0			
30	0	0	0	0			

Observer's Name (Print) **Eugene D. Schaltenbrand**  
 Observer's Signature \_\_\_\_\_ Date *2 Apr 07*  
 Organization **Brooks & Associates**  
 Certified by **ETA** Date *2 Apr 07*

**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 Method 9      203A      2038      Other: \_\_\_\_\_

Company Name: \_\_\_\_\_  
 Facility Name: **Crusher Contractors**  
 Street Address: **Community Asphalt**  
**7795 Hooper Road**  
 City: **West Palm Beach, FL 33411-3830**

Process: **Crusher & Screen**      Unit #: **3**      Operating Mode: **200 tph**  
 Control Equipment: \_\_\_\_\_      Operating Mode: \_\_\_\_\_

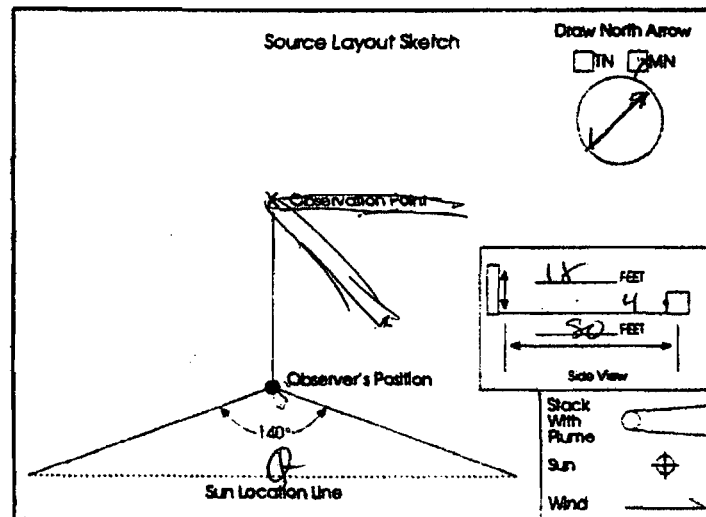
Describe Emission Point:  
*See picture*

Height of Emis. Pt.      Height of Emis. Pt. Rel. to Observer  
 Start **18'**      End **18'**      Start **14'**      End **14'**  
 Distance to Emis. Pt.      Direction to Emis. Pt. (Degrees)  
 Start **80**      End **80**      Start **305**      End **305**

Vertical Angle to Obs. Pt.      Direction to Obs. Pt. (Degrees)  
 Start \_\_\_\_\_      End \_\_\_\_\_      Start **305**      End **305**  
 Distance and Direction to Observation Point from Emission Point  
 Start \_\_\_\_\_      End \_\_\_\_\_

Describe Emissions  
 Start **Clear/None**      End **Clear/None**  
 Emission Color      Water Droplet Plume  
 Start \_\_\_\_\_      End \_\_\_\_\_      Attached       Detached       None

Describe Plume Background  
 Start **SKY**      End **SKY**  
 Background Color      Sky Conditions  
 Start **Blue**      End **Blue**      Start **0**      End **0**  
 Wind Speed      Wind Direction  
 Start **5-7**      End **5-7**      Start **N**      End **N**  
 Ambient Temp.      Wet Bulb Temp.      RH Percent  
 Start **78**      End **78**      **66**      **53°**



Longitude: **80° 10.282'**      Latitude: **26° 41.003'**      Declination: \_\_\_\_\_

Additional Information: \_\_\_\_\_

Form Number: \_\_\_\_\_ Page: \_\_\_\_\_ Of: \_\_\_\_\_  
 Continued on VEO Form Number: \_\_\_\_\_

Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
	2 Apr 01				1105	1135	
1	0	0	0	0			
2	0	0	0	0			
3	0	0	0	0			
4	0	0	0	0			
5	0	0	0	0			
6	0	0	0	0			
7	0	0	0	0			
8	0	0	0	0			
9	0	0	0	0			
10	0	0	0	0			
11	0	0	0	0			
12	0	0	0	0			
13	0	0	0	0			
14	0	0	0	0			
15	0	0	0	0			
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22	0	0	0	0			
23	0	0	0	0			
24	0	0	0	0			
25	0	0	0	0			
26	0	0	0	0			
27	0	0	0	0			
28	0	0	0	0			
29	0	0	0	0			
30	0	0	0	0			

Observer's Name (Print): **Eugene D. Schaltenbrand**  
 Observer's Signature: \_\_\_\_\_ Date: **2 Apr 01**  
 Organization: **Brooks & Associates**  
 Certified By: **ETA** Date: **Apr 01**



**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 Method 9 203A 203B Other: \_\_\_\_\_

Company Name  
 Facility Name **Crusher Contractors**  
 Street Address **Community Asphalt**  
**7795 Hooper Road**  
 City **West Palm Beach, FL 33411-3830**

Process Emulsion Unit # 4 Operating Mode 200 TPH  
 Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

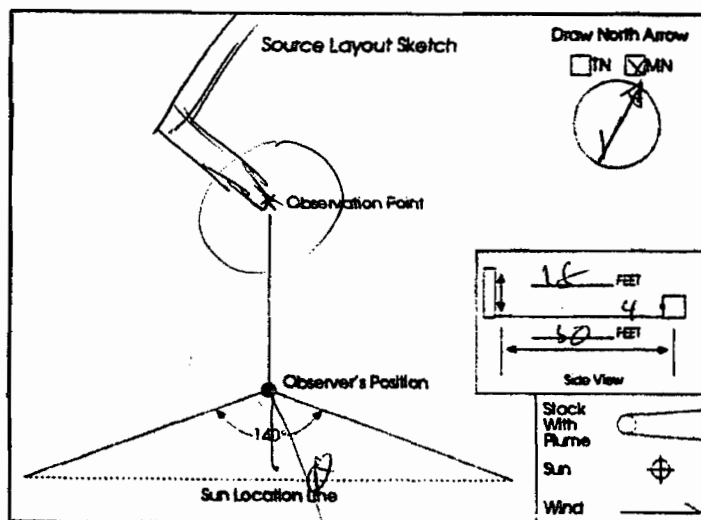
Describe Emission Point  
Final Emulsion in system

Height of Emis. Pt. Start 18' End 18' Height of Emis. Pt. Rel. to Observer Start 14' End 14'  
 Distance to Emis. Pt. Start 50 End 50 Direction to Emis. Pt. (Degrees) Start 330 End 330

Vertical Angle to Obs. Pt. Start \_\_\_\_\_ End \_\_\_\_\_ Direction to Obs. Pt. (Degrees) Start 330 End 330  
 Distance and Direction to Observation Point from Emission Point Start 0/0 End 0/0

Describe Emissions  
 Start Clear/None End Clear/None  
 Emission Color \_\_\_\_\_ Water Droplet Plume \_\_\_\_\_  
 Start \_\_\_\_\_ End \_\_\_\_\_ Attached  Detached  None

Describe Plume Background  
 Start SKY End SKY  
 Background Color Start Blue End Blue Sky Conditions Start 0 End 0  
 Wind Speed Start 5-7 End 5-7 Wind Direction Start N End N  
 Ambient Temp. Start 78 End 78 Wet Bulb Temp. 66 RH Percent 13



Longitude 80° 10.282' Latitude 26° 41.003' Declination \_\_\_\_\_

Additional Information  
 \_\_\_\_\_  
 \_\_\_\_\_

Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Observation Date	Time Zone	Start Time	End Time					
2 Apr 01	EDT	1101	1131					
Sec	0	15	30	45	Comments			
Min	0	0	0	0				
1	0	0	0	0				
2	0	0	0	0				
3	0	0	0	0				
4	0	0	0	0				
5	0	0	0	0				
6	0	0	0	0				
7	0	0	0	0				
8	0	0	0	0				
9	0	0	0	0				
10	0	0	0	0				
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12	0	0	0	0				
13	0	0	0	0				
14	0	0	0	0				
15	0	0	0	0				
16	0	0	0	0				
17	0	0	0	0				
18	0	0	0	0				
19	0	0	0	0				
20	0	0	0	0				
21	0	0	0	0				
22	0	0	0	0				
23	0	0	0	0				
24	0	0	0	0				
25	0	0	0	0				
26	0	0	0	0				
27	0	0	0	0				
28	0	0	0	0				
29	0	0	0	0				
30	0	0	0	0				

Observer's Name (Print) **Eugene D. Schaltenbrand**  
 Observer's Signature \_\_\_\_\_ Date 2 Apr 01  
 Organization **Brooks & Associates**  
 Certified By **ETA** Date Jun 01

**Brooks & Associates, Inc.**  
Engineering and Environmental Consulting

**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 Method B    203A    2038    Other: \_\_\_\_\_

Company Name  
**Crusher Contractors**  
 Facility Name  
**Community Asphalt**  
 Street Address  
**7795 Hooper Road**  
 City  
**West Palm Beach, FL 33411-3830**

Process  
*Return Conveyor*    Unit # *5*    Operating Mode  
*Design*  
 Control Equipment  
*None*    Operating Mode

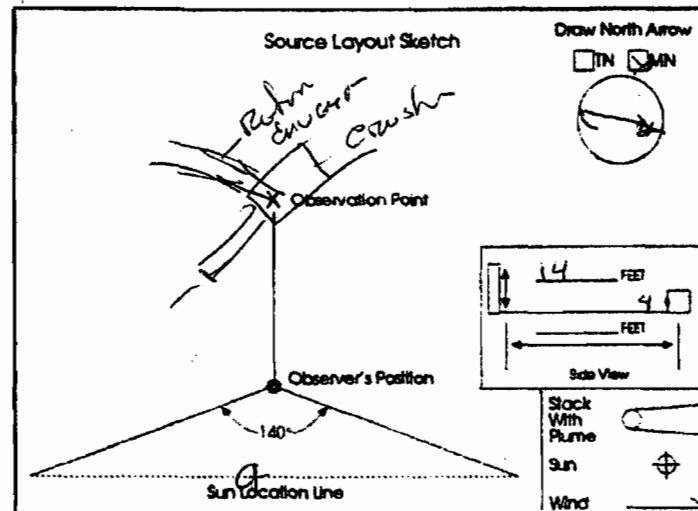
Describe Emission Point  
*ONLY conveyor feeding crusher*

Height of Emiss. Pt.  
 Start *14'*    End *14'*    Height of Emiss. Pt. Rel. to Observer  
 Start *10'*    End *10'*  
 Distance to Emiss. Pt.  
 Start *60'*    End *60'*    Direction to Emiss. Pt. (Degrees)  
 Start *255*    End *255*

Vertical Angle to Obs. Pt.  
 Start \_\_\_\_\_    End \_\_\_\_\_    Direction to Obs. Pt. (Degrees)  
 Start *255*    End *255*  
 Distance and Direction to Observation Point from Emission Point  
 Start *4/4*    End *4/0*

Describe Emissions  
 Start *Clear/None*    End *Clear/None*  
 Emission Color  
 Water Droplet Plume  
 Start \_\_\_\_\_    End \_\_\_\_\_    Attached     Detached     None

Describe Plume Background  
 Start *SKY*    End *SKY*  
 Background Color  
 Sky Conditions  
 Start *Blue*    End *Blue*    Start *0*    End *0*  
 Wind Speed  
 Wind Direction  
 Start *3-5*    End *3-5*    Start *N*    End *N*  
 Ambient Temp.  
 Wet Bulb Temp.    RH Percent  
 Start *70*    End *71*    *66*    *50*



Longitude *80°-10.291'*    Latitude *26°-41.022'*    Declination

Additional Information  
*Production 200 tph*

Form Number \_\_\_\_\_ Page *01*  
 Continued on VEO Form Number \_\_\_\_\_

Observation Date	Time Zone	Start Time	End Time						
<i>2 Apr 01</i>	<i>FDT</i>	<i>0933</i>	<i>1003</i>	Sec	0	15	30	45	Comments
Min									
1	0	0	0	0					
2	0	0	0	0					
3	0	0	0	0					
4	0	0	0	0					
5	0	0	0	0					
6	0	0	0	0					
7	0	0	0	0					
8	0	0	0	0					
9	0	0	0	0					
10	0	0	0	0					
11	0	0	0	0					
12	0	0	0	0					
13	0	0	0	0					
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17	0	0	0	0					
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19	0	0	0	0					
20	0	0	0	0					
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22	0	0	0	0					
23	0	0	0	0					
24	0	0	0	0					
25	0	0	0	0					
26	0	0	0	0					
27	0	0	0	0					
28	0	0	0	0					
29	0	0	0	0					
30	0	0	0	0					

Observer's Name (Print) *Eugene D. Schaltenbrand*  
 Observer's Signature *[Signature]*    Date *02 Apr 01*  
 Organization *Brooks & Associates*  
 Certified by *ETA*    Date *Inc 1*

Scot

# Brooks & Associates, Inc. Engineering and Environmental Consulting

## VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)  
 Method 9    203A    203B    Other: \_\_\_\_\_

Company Name  
 Facility Name: **Crusher Contractors**  
 Street Address: **Community Asphalt**  
**7795 Hooper Road**  
 City: **West Palm Beach, FL 33411-3830**

Process: **Diesel (Ceft)**    Unit #: **2**    Operating Mode: **200 tph**  
 Control Equipment: **Nma**    Operating Mode: \_\_\_\_\_

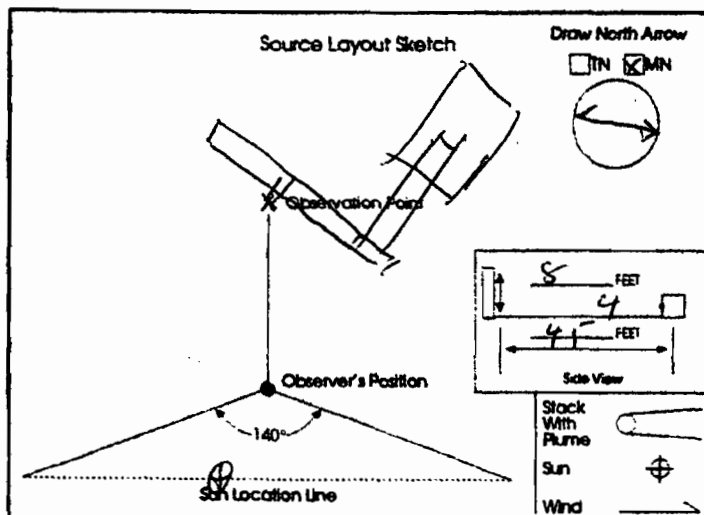
Describe Emission Point  
**Small Diesel under canopy #3**

Height of Emiss. Pt.    Height of Emiss. Pt. Rel. to Observer  
 Start **8'**    End **8'**    Start **4'**    End \_\_\_\_\_  
 Distance to Emiss. Pt.    Direction to Emiss. Pt. (Degrees)  
 Start **45'**    End **45'**    Start **260**    End **260**

Vertical Angle to Obs. Pt.    Direction to Obs. Pt. (Degrees)  
 Start \_\_\_\_\_    End \_\_\_\_\_    Start **260**    End **260**  
 Distance and Direction to Observation Point from Emission Point  
 Start **45'**    End **45'**

Describe Emissions  
 Start **Clear/None**    End **Clear/None**  
 Emission Color    Water Droplet Plume  
 Start \_\_\_\_\_    End \_\_\_\_\_    Attached     Detached     None

Describe Plume Background  
 Start **Canopy Frame**    End **Canopy Frame**  
 Background Color    Sky Conditions  
 Start **Gray**    End **Gray**    Start **0**    End **0**  
 Wind Speed    Wind Direction  
 Start **3-5**    End **5-7**    Start **N**    End **N**  
 Ambient Temp.    Wet Bulb Temp.    RH Percent  
 Start **71**    End \_\_\_\_\_    Start **66**    End \_\_\_\_\_    \_\_\_\_\_



Longitude: **80° 10.283'**    Latitude: **26° 41.015'**    Declination: \_\_\_\_\_

Additional Information

Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Min	Time Zone				Start Time	End Time	Comments
	Sec	0	15	30			
	EDT				10:10	10:18	
1	0	0	0	0			
2	0	0	0	0			
3	0	0	0	0			
4	0	0	0	0			
5	0	0	0	0			
6	0	0	0	0			
7	0	0	0	0			
8	0	0	0	0			
9	0	0	0	0			
10	0	0	0	0			
11	0	0	0	0			
12	0	0	0	0			
13	0	0	0	0			shut down to
14	0	0	0	0			max P.L.C.
15	0	0	0	0			
16	0	0	0	0			
17	0	0	0	0			
18	0	0	0	0			
19	0	0	0	0			
20	0	0	0	0			
21	0	0	0	0			
22	0	0	0	0			
23	0	0	0	0			
24	0	0	0	0			
25	0	0	0	0			
26	0	0	0	0			
27	0	0	0	0			
28	0	0	0	0			
29	0	0	0	0			
30	0	0	0	0			

Observer's Name (Print): **Eugene D. Schaltenbrand**  
 Observer's Signature: \_\_\_\_\_ Date: **2 Apr 07**  
 Organization: **Brooks & Associates**  
 Certified By: **ETA** Date: **Jnd/**

**VISIBLE EMISSION OBSERVATION FORM 1**

Method Used (Circle One)  
 Method 9      203A      203B      Other: \_\_\_\_\_

Company Name  
**Crusher Contractors**  
 Facility Name  
**Community Asphalt**  
 Street Address  
**7795 Hooper Road**  
 City  
**West Palm Beach, FL 33411-3830**

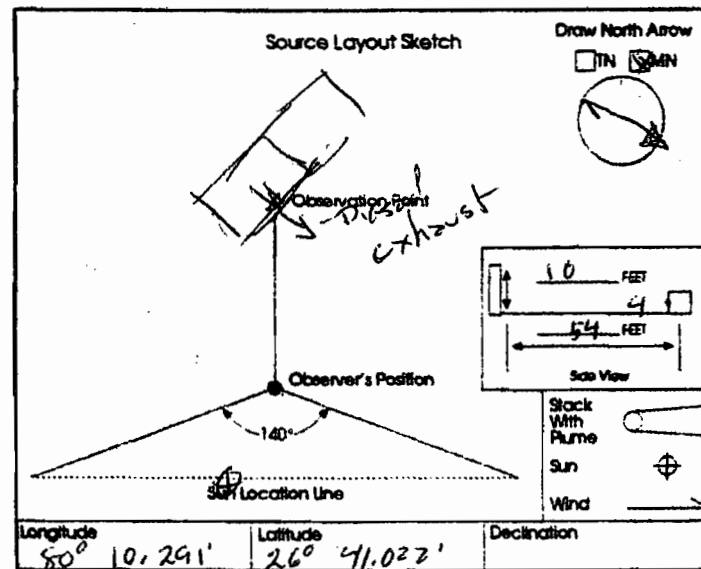
Process  
**DIESEL (Cummins)**      Unit # **3**      Operating Mode  
**DESIGN**  
 Control Equipment      Operating Mode

Describe Emission Point  
**EXHAUST STACK DISCHARGING**  
**HORIZONTAL**  
 Height of Emiss. Pt.      Start **6'**      End **6'**  
 Distance to Emiss. Pt.      Start **250**      End **250**  
 Start **10'**      End **10'**  
 Start **54'**      End **54'**

Vertical Angle to Obs. Pt.      Direction to Obs. Pt. (Degrees)  
 Start      End      Start **250**      End **250**  
 Distance and Direction to Observation Point from Emission Point  
 Start      End **4/4**

Describe Emissions  
 Start **CLEAR/None**      End **Clear/None**  
 Emission Color      Water Droplet Plume  
 Attached       Detached       None

Describe Plume Background  
 Start **MACHINERY**      End **MACHINERY**  
 Background Color      Sky Conditions  
 Start **600M**      End **600M**      Start **0**      End **0**  
 Wind Speed      Wind Direction  
 Start **3-5**      End **3-5**      Start **N**      End **N**  
 Ambient Temp.      Wet Bulb Temp.      RH Percent  
 Start **70**      End **71**      **66**      **80**



Additional Information

Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Min	Time Zone				Start Time	End Time	Comments
	Sec	0	15	30			
	2 April				0933	1003	
1	0	0	0	0			
2	0	0	0	0			
3	0	0	0	0			
4	0	0	0	0			
5	0	0	0	0			
6	0	0	0	0			
7	0	0	0	0			
8	0	0	0	0			
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10	0	0	0	0			
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24	0	0	0	0			
25	0	0	0	0			
26	0	0	0	0			
27	0	0	0	0			
28	0	0	0	0			
29	0	0	0	0			
30	0	0	0	0			

Observer's Name (Print) **Eugene D. Schaltenbrand**  
 Observer's Signature \_\_\_\_\_ Date **2 Apr 01**  
 Organization **Brooks & Associates**  
 Certified By **ETA** Date **12/01**

**Crusher Contractors  
Jupiter, FL**

## **4.0 COMPUTER INPUT SHEETS**

**Brooks & Associates  
5068 NW 85<sup>th</sup> Rd.  
Coral Springs, FL 33067**



**Crusher Contractors  
Jupiter, FL**

Owner  
Operator  
Crusher Contractors  
Same  
Emissions Unit #1  
Crusher Conveyor #1

**Visible Emissions Field Data  
Computer Input Sheets**

2 Apr. 2001

Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity 5%  
Maximum Observed Opacity 0%  
Maximum six minute average 0%





**Crusher Contractors  
Jupiter, FL**

Owner                   Crusher Contractors  
Operator                Same  
                          Emissions Unit #1  
                          Conveyor #3 & Screen

**Visible Emissions Field Data  
Computer Input Sheets**

2 Apr. 2001

Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
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18	0	0	0	0	0
19	0	0	0	0	0
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21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity                   5%  
Maximum Observed Opacity   0%  
Maximum six minute average   0%

**Crusher Contractors  
Jupiter, FL**

Owner  
Operator  
Crusher Contractors  
Same  
Emissions Unit #1  
Conveyor #4

**Visible Emissions Field Data  
Computer Input Sheets**

2 Apr. 2001

Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity 5%  
Maximum Observed Opacity 0%  
Maximum six minute average 0%

**Crusher Contractors  
Jupiter, FL**

Owner                      Crusher Contractors  
Operator                    Same  
                                 Emissions Unit #1  
                                 Conveyor #5

**Visible Emissions Field Data  
Computer Input Sheets**

2 Apr. 2001

Minute	0	15	30	45	6 Min Avg
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0

Limit Opacity                      5%  
Maximum Observed Opacity      0%  
Maximum six minute average      0%



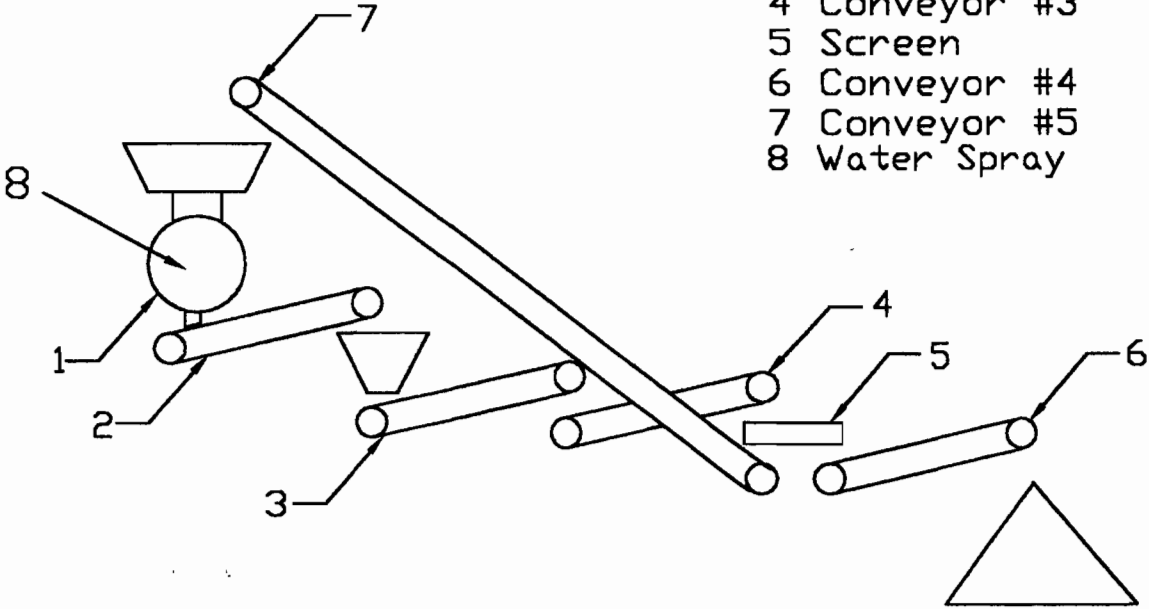


**Crusher Contractors  
Jupiter, FL**

## **5.0 FLOW DIAGRAM**

**Brooks & Associates  
5068 NW 85<sup>th</sup> Rd.  
Coral Springs, FL 33067**

- 1 Crusher
- 2 Crusher Conveyor #1
- 3 Conveyor #2
- 4 Conveyor #3
- 5 Screen
- 6 Conveyor #4
- 7 Conveyor #5
- 8 Water Spray



BROOKS & ASSOCIATES  
FLOW DIAGRAM FOR  
CRUSHER CONTRACTORS

**Crusher Contractors  
Jupiter, FL**

## **6.0 PHOTOGRAPHS**

**Brooks & Associates  
5068 NW 85<sup>th</sup> Rd.  
Coral Springs, FL 33067**



